Maritime Heritage Minnesota

Ann Merriman

Christopher Olson

CLEAN WATER LAND & LEGACY AMENDMENT

Log Book 29 of the USS Essex

May 10, 1891 - November 17, 1891

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship

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USS *Essex* Log Book 29

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Book 29 of the USS *Essex*: May 10, 1891-November 17, 1891

The National Archives houses USS *Essex* Log Book 29. Throughout Log Book 29, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: boiler maintenance/repair, rigging repair/ replacement, repairing masts, hawser (mooring lines) maintenance/repair/ replacement, condenser bed timber repair/replacement, engine bed timber repair/ replacement
- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, general quarters drills, torpedo drills, Gatling gun drills, pistol drills, rifle drills, abandon ship drills,
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew quarters inspection
- liberty parties sent ashore
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise

- crew transfers to other ships
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 29, in early May 1891, USS *Essex* was anchored in Montevideo, Uruguay, under Commander A. S. Snow. USS *Essex* was assigned to the US South Atlantic Station. In mid-May, *Essex* exchanged signals and courtesy visits with sidewheel dispatch boat USS *Tallapoosa*, sloop HMS *Acorn*, and Italian steel gunboat *Sebastiano Veniero*. American barkentine *Hattie G. Dixon* anchored in the Bay of Montevideo and gunboat HMS *Cleopatra* left for Colonia, Uruguay. *Essex* sent a liberty party ashore to watch a *Tallapoosa* and *Essex* minstrel entertainment in aid of the Sailors Home, and *Essex* was dressed with the Spanish flag at main on May 17. Two days later, *Essex* got underway and passed hawse to *Tallapoosa* in order to take her under tow. *Essex* let go of *Tallapoosa* and then anchored in Rio de la Plata (River Plate). The crew then engaged in sail exercises and *Tallapoosa* engaged in small arms practice. On May 20, English steel sloop HMS *Beagle* passed heading west and *Tallapoosa* signaled *Essex* by wig-wag to resume towing to Buenos Aires the next day. The ships proceeded up the the Rio de la Plata under steam and sail; *Essex* anchored off the canal for Buenos Aires and cast off *Tallapoosa*.

For the rest of May, *Essex* remained at Buenos Aires; she moved from her anchorage off the canal to the to dock at eastern side of harbor basin, and later she got underway while under tow of two tugs into Dock #2 and secured in the southeast corner. *Essex* exchanged visits with Italian steel gunboat *Andrea Provana*, steel sloop HMS *Beagle*, and the US Minister. Gunboat HMS *Bramble* moved into the harbor and anchored and left for Montevideo the next day. The crew dressed *Essex* in rainbow fashion and then dressed her with Argentine flag at the main. Two *Essex* seamen were sent home on the iron Royal Mail Steamer RMS *Moselle*. On May 30, the crew dressed the ship with the US flag at the main and accepted visits by the US Minister and the US Consul. The next day, during the 8 to midnight watch, the deck officers heard the cry "man overboard" from the bridge across the entrance to the dock. The men lowered the #2 dinghy to assist, but they arrived too late - the man could not be found in the water.

On June 1, *Essex* hosted the wedding of Scottish natives James Buchanan and Mary Wilson (or Anderson, the deck officer was not sure) at 11:40 officiated by Reverend James Smith, the Chaplain off the Scotch Church in Buenos. Aires. The wedding was witnessed by: Thomas Bell and A. Watson Hulton. Argentine officers also visited *Essex* to thank them for dressing the ship on May 30. During the first few weeks of June,

Essex exchanged visits and courtesies with Italian gunboat *Provana* and her sister ship gunboat *Sebastiano Veniero*, Austrian training ship corvette *Saida*, and steel sloop HMS *Beagle*. One day, *Essex* crew dressed the ship with Italian flag at the main and during the middle of June, they practiced abandon ship drills. The ship's apprentices drilled in striking the topmast, during which the crew inspected the fore-topmast heel for damage; it was found in good condition. During the 8 to midnight watch on June 29, the ship's doctor responded to a call for assistance. He went ashore to attend to a man who had fallen overboard in Dock #1; it was too late, the man had drowned. The next day, *Essex* sent out assistance to other side of the dock to a man lost overboard, but he was already rescued before the arrival of the ship's seamen.

In early July 1891, crewman from the Austrian training ship corvette *Saida* returned a set of flags to *Essex* that had been loaned to them. Commander Snow attended a reception of the US Minister in celebration of Independence Day. Five days later, the Commander and officers left *Essex* to attend celebration of the signing of the Declaration of Independence of the Argentine Republic. In mid-July, the crew drilled the Infantry and Artillery companies and conducted small boat prepping drills. Argentine transport *Villarino*, flying an Admiral's Flag, entered Buenos Aires bearing the remains of Argentine heroes for burial. As she passed, *Essex* half-masted her colors and paraded the Marine Guard. For an unknown reason, *Essex* and *Tallapoosa* swapped their cutters. *Essex* exchanged pleasantries with HMS *Beagle*, Austrian corvette *Saida*, and steel sloop HMS *Basilisk*. Corvette *Saida* and HMS *Basilisk* left the harbor and Argentine transport *Villarino* moved into Dock #1. In late July, the *Essex* crew unroved the running rigging and broke out the hawsers to dry them out. In the harbor, Argentine torpedo gunboat *Maipu* hoisted the Argentine flag at the main and Chilean gunboat *Pilcomayo* received a draft of men.

On August 2, *Essex* hoisted the 'senior officer present' pennant when *Tallapoosa* hauled hers down, indicating Commander Snow was the highest ranking American officer on the ships in Buenos Aires at that time. Throughout the month, the crew conducted ship maintenance, practice drills, and accepted provisions and coal on board. In mid-August, visits were exchanged with the French 'National Ship' cruiser *Sane*', and Argentine transport *Villarino* and torpedo gunboat *Maipu*, and Chilean gunboat *Pilcomayo* went out into the River Plate. At the end of August, the crew conducted practice drills, punishments were meted out, and provisions were taken aboard.

On September 2, the *Essex* crew spotted a large fire in Buenos Aires; it was reported to be the San Martin Theatre. In the first ten days of September 1891, Argentine transport *Villarino* went upriver carrying the President of the Republic on a visit to the protected cruiser *Veinticinco de Mayo* - also known as *25 de Mayo*. The crew dressed the ship with Argentine flag at the main, following the motions of the other men-of-war in the port. Commander James M. Forsyth returned to USS *Tallapoosa*, prompting *Essex* to haul down the 'senior officer present' pennant from her mast. An *Essex* crewman was sent to *Tallapoosa* before he was sent to the British Hospital in Buenos Aires for treatment. *Villarino* returned from upriver and Commander Snow exchanged visits with *Veinticinco de Mayo*, Italian steel gunboat *Sebastiano Veniero,* Argentine battleship *Almirante*

Brown, and French cruiser *Sane*'. *Essex* was re-provisioned, coaled, went through general quarters drills, and some enjoyed liberty ashore.

On September 10, the ship left Buenos Aires for Colonia, Uruguay, located to the northeast, and anchored in the River Plate where the crew engaged in great gun target practice. The next day, *Essex* anchored in Colonia Harbor and an officer paid a courtesy visit to the US Consul ashore. For the next two weeks, the crew conducted pistol and rifle target practice, the steam launch was rigged for torpedo practice (two practice charges were fired), and the launch was rigged with a Gatling gun for an 'arm and away' mission (200 rounds fired). On September 20, *Essex* sent her steam launch and 1st cutter to assist a schooner that had run aground on the bar. On September 23, the ship half-masted her colors - following the motions of a government building in town - in memory of Jose Gervasio Artigas, the 'father of Uruguayan nationhood'. That same day, gunboat *Sebastiano Veniero* ran onto the shoal and later came into the anchorage with the assistance from the *Essex* Navigator. *Sebastiano Veniero* left Colonia Harbor the next day, and *Essex* moved into the River Plate on September 25 and anchored. The next day, she up anchored and steamed into Montevideo Harbor. Courtesies were exchanged with the Uruguayan gunboat *General Rivera,* English gunboat HMS *Magpie,* Italian steel gunboat *Sebastiano Veniero,* Spanish unprotected cruiser *Cristobal Colon*, Brazilian corvette *Parnahyba*, and Chilean protected cruiser *Presidente Errazuriz*. On September 27, *Essex* half-masted her colors following the motions of the Chilean men-of-war. The crew overhauled gear and painted the gun carriages, along with other maintenance and repairs. the American barkentine *Kremlin* anchored in the Bay of Montevideo and Commander Snow sent an officer with pleasantries.

Still in Montevideo during the first week of October 1891, Chilean protected cruiser *Presidente Errazuriz* left the bay, Uruguayan gunboat *General Artigas* shifted her berth, English gunboat HMS *Magpie* anchored in the bay, and *Essex* left the harbor for Buenos Aires, Argentina. The patent log was put overboard for short trips, this one consisted of crossing the River Plate and they anchored off the city. On October 8, *Essex* entered Buenos Aires and moored at Dock #2 next to dispatch boat USS *Tallapoosa.* Courtesy visits were received by the Italian steel gunboat *Andrea Provana, Presidente Errazuriz*, Argentine transport *Villarino*, and French cruiser *Sane'***.** On October 9, a very remarkable rise and fall was noted on the barometer; during which a very heavy squall that passed down the River Plate and two days later, a crewman was sent to the British hospital. Mid-month, the Carpenter's Gang repaired the bed timbers under the condenser and worked in the engine room, including repairing the engine bed timber. *Essex* hoisted the 'senior officer present' pennant until the Commanding Officer of USS *Tallapoosa* returned. Visits were exchanged between *Essex* and the French transport *Pourvoyeur* and a crewman was sent to the British Hospital. On October 29, a sudden strong gale dashed *Essex* against USS *Tallapoosa's* paddle box; *Essex's* inboard arms of the cradle were bent and her #2 gunport was damaged. The next day, HMS *Basilisk* and HMS *Beagle* enter the harbor and docked.

Still in Buenos Aires in early November 1891, *Essex* swapped two crewmen for two crewmen with *Tallapoosa* and the Commanding Officer of French transport *Pourvoyeur*

visited the ship. HMS *Beagle* and HMS *Basilisk* left the harbor, but *Beagle* grounded in the canal and *Essex* signaled her with International Maritime Code. The port was apparently crowded since *Essex* had to move 20 feet to make room for a merchant steamer. When *Essex* prepared to leave the dock, tugs assisted moving the ship from her mooring and she stood down the channel into the River Plate. She steamed toward Colonia, Uruguay and anchored in river. The crew drilled in great guns target practice, then steamed for Colonia Harbor and took pistol and rifle practice. In Colonia, courtesies were exchanged with the US Consul, Spanish unprotected cruiser *Cristobal Colon*, and Uruguayan gunboat *General Artigas*. On November 15, *Essex* had an early morning departure from Colonia, bound for Montevideo, but the ship had to anchor; damage was caused by boiler water carrying over into the high pressure cylinder in the engine and it blew out part of the gasket of the water valve. The ship got underway after repairs but then the fires were hauled under one boiler due to the failure of the feed pump; repairs were finished in a half hour. *Essex* anchored in Montevideo in the evening. Once there, a Brazilian corvette left the bay and an *Essex* crewman was transferred to steel gunboat USS *Yorktown*. During the late evening of November 15, the crew observed a total eclipse of the moon that lasted two hours. The next day, USS *Yorktown* and the Brazilian corvette *Parnahyba* left Montevideo while gunboat HMS *Cleopatra* anchored in the bay. On November 17, a party of *Essex* officers went to HMS *Cleopatra* and assisted at funeral of one of her officers, and Chilean gunboat *Pilcomayo* went to sea.

Tags:
American Ships: sloop-of-war USS *Essex*, barkentine *Hattie G. Dixon*, barkentine *Kremlin*, sidewheel dispatch boat USS *Tallapoosa*, steel gunboat USS *Yorktown*

Argentine Ships: battleship *Almirante Brown*, torpedo gunboat *Maipu*, protected cruiser *Veinticinco de Mayo* (*25 de Mayo*), transport *Villarino*

Austrian Ship: training ship corvette *Saida*

Brazilian Ship: corvette *Parnahyba*

British Ships: sloop HMS *Acorn*, steel sloop *Basilisk*, steel sloop HMS *Beagle*, gunboat HMS *Bramble*, gunboat HMS *Cleopatra*, gunboat HMS *Magpie,* iron Royal Mail Steamer RMS *Moselle*

Chilean Ships: gunboat *Pilcomayo*, protected cruiser *Presidente Errazuriz*

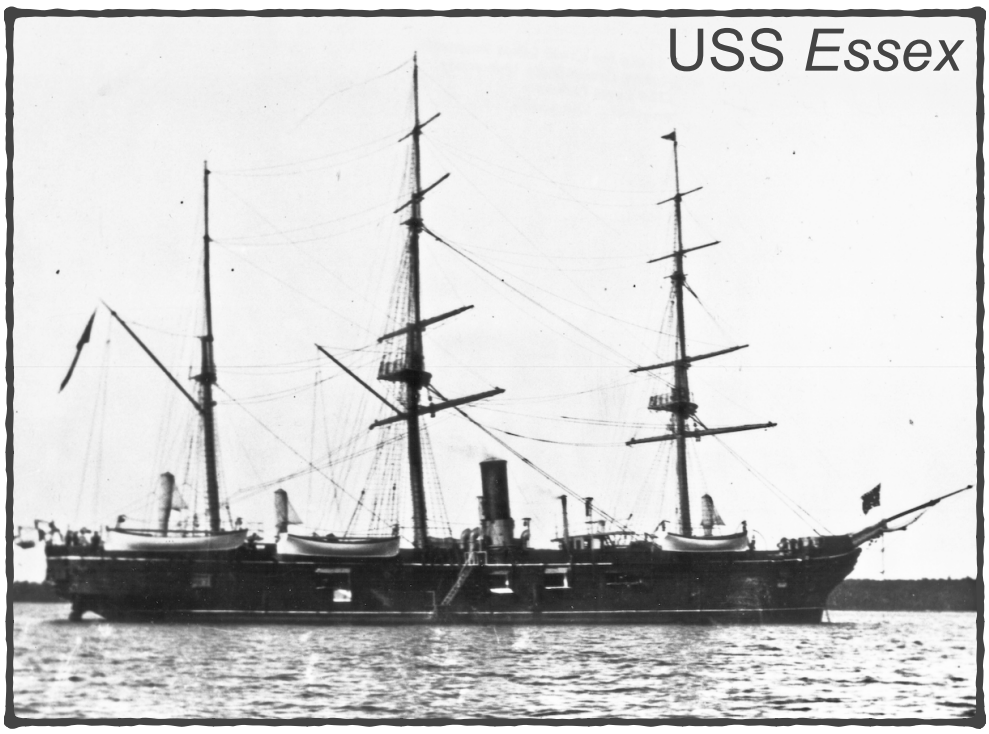
French Ships: transport *Pourvoyeur*, ‘National Ship’ cruiser *Sane'*

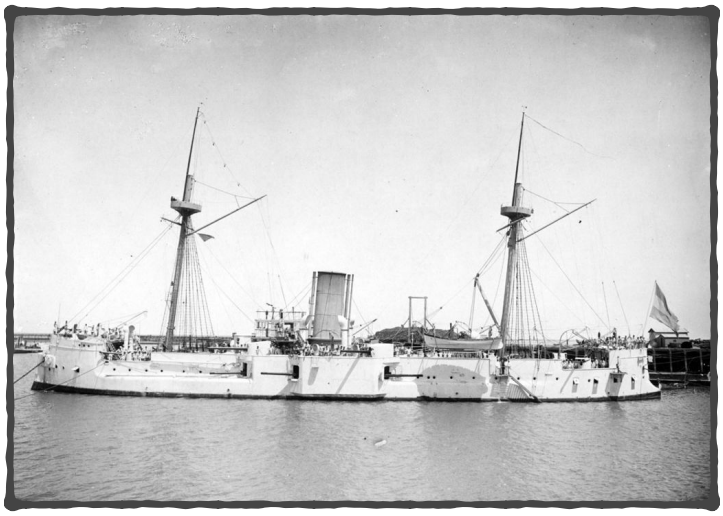
Italian Ships: steel gunboat *Andrea Provana*, steel gunboat *Sebastiano Veniero*

Spanish Ship: unprotected cruiser *Cristobal Colon*

Uruguayan Ships: gunboat *General Artigas*, gunboat *General Rivera*

USS *Essex*





Almirante Brown

HMS *Beagle*

LOG BOOK

OF THE

U.S.S *Essex*

3rd RATE

OF *6* GUNS,

COMMANDED BY

S. S. Snow *Commander*, U. S. Navy,

Attached to *South Atlantic*, Squadron,

Commencing *May 10th*, 1891,

at *Montevideo Uruguay*,

and ending *November 17th*, 1891,

at *Montevideo Uruguay*.

BUREAU OF NAVIGATION,

NAVY DEPARTMENT.

1886.

LIST OF OFFICERS

Attached to and on board of the U. S. S "Essex" 3rd Rate, commanded by A. S. Snow, Comdr, U. S. N., during the period covered by this Log-Book, from May 10th, 1891, to November 17th, 1891.

NAME.	RANK.	NAME.	RANK.
A. S. Snow	Comdr U. S. N.	H. S. Ross	Chief Engr U. S. N.
J. U. B. Bleecker	Lieut - U. S. N.	W. W. Barry	Paymaster U. S. N.
C. K. Curtis	Lieut U. S. N.	O. Diehl	P. Asst. Surg U. S. N.
L. T. W. Holman	Lieut - U. S. N.	H. C. Haines	1st Lieut - U. S. M. C.
F. A. Wilner	Lieut - U. S. N.	O. W. Koester	P. Asst. Engr. U. S. N.
J. T. Newton	Lieut - U. S. N.	W. W. Dean	Pay Clerk U. S. N.
W. R. M. Field	Ensign U. S. N.		
C. M. Stone	Ensign U. S. N.		
W. O. Stulme	Ensign U. S. N.		

Examined and found to be correct.

C. K. Curtis
Lieutenant. Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S. Essex 3rd Rate.
commanded by A S Snow Comdr., U. S. N., during the period covered by this
Log-Book, from May 10th, 1891, to November 17th, 1891.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
W O Hulme	Ensign, U.S.N.	Reported for duty on board Sept 2nd 1891

Examined and found to be correct.

C. K. Lewis
Lieutenant, Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S "Essex" 3rd Rate at first commissioning April 22nd 1890. At Navy Yard, New York.

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Chief Boatswain's Mate,	1
2	Boatswain's Mate,	2.
	Seamen Gunners,	
1	Chief Gunner's Mate,	1.
	Gunner's Mates,	
1	Chief Quartermaster,	1.
3	Quartermasters,	3.
6	Coxswains,	6.
2	Captains of Forecastle,	2.
4	Captains of Tops,	4.
2	Captains of Afterguard,	2.
3	Quarter-Gunners,	3.
1	Carpenter's Mates,	1.
1	Sailmaker's Mates,	1.
1	Armorer,	1.
1	Captains of Hold,	1.
1	Ship's Cook,	1.
1	Ship's Corporals,	1.
1	Lamp-lighter,	1.
2	Carpenters and Calkers,	2.
1	Baymen,	
1	Master-at-Arms,	1
1	Apothecary,	1.
1	Ship's Yeoman,	1.
1	Paymaster's Yeoman,	1.
1	Engineer's Yeoman,	1.
	Schoolmaster,	
1	Ship's Writer,	1.
	Ship's Tailor,	
1	Ship's Barber,	1.
1	Painter,	1.
1	Bugler,	1.
1	Jack of the Dust,	1
1	Blacksmith,	1.
	Marine Guard.	
1	Orderly Sergeant-	1.
1	Sergeant-	1.
2	Corporals-	2.
2	Musicians-	2.
20	Privates-	20

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Cabin Steward,	1.
1	Cabin Cook,	1.
1	Ward-room Steward,	1.
1	Ward-room Cook,	1.
1	Steerage Stewards,	1.
1	Steerage Cooks,	1.
	Warrant Officer's Steward,	
	Warrant Officer's Cook,	
12	Seamen,	12.
12	Ordinary Seamen,	11.
14	Landsmen,	16.
	Boys, Ldr. Reduced 20. by Sickness & Court-Martial	2.
20	Apprentices,	16.
3	Machinists,	3.
1	Boiler Makers,	1.
3	Water Tenders,	3.
3	Oilers,	3.
1	First-class Firemen,	1.
6	Second-class Firemen,	6.
12	Coal Heavers,	12.
165.	Total,	163.
	ADDITIONAL FOR FLAGSHIP.	
	Master of the Band,	
	Chief Musician,	
	First-class Musicians,	
	Second-class Musicians,	
	Printer,	
	Steward to Commander-in-chief,	
	Cook to do.	
	Coxswain to do.	
	Seamen to do.	
	Ordinary Seamen to do.	
	Landsmen to do.	

Examined and found to be correct.

Navigator.

U. S. S Essex, 3rd Rate.

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	H. J. Green	3298	Cabin	May 1890	Standard Navy Yard New York.	−,02
ANEROID BAROMETER.	(Holtzer's)		Cabin			
THERMOMETER, (Dry Bulb.)	Standard. (Standard Thr. Co. Peabody) Mass.		Cabin			
THERMOMETER, (Wet Bulb.) (Psychrometer.)	H. J. Green	5403	On cabin bulkhead under break of poop deck			

Examined and found to be correct.

C. K. Curtis
Lieutenant, Navigator.

ARMAMENT

Of the U. S. S "Essex" 3rd Rate

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE. POWDER.	CARTRIDGE. WEIGHT.	PROJECTILES. KIND.	PROJECTILES. WEIGHT.	CARRIAGES.	REMARKS.
1.	8" M.L.R.	W.P.F. 1877 F.D.K. F.M.R.	Converted	Dupont Sperm Indian	32 3/4 30 1/2 36	Shell Canister	180 to 186 168.6	Pivot	
1.	60 Pdr B.L.R.	R.P.P. 1864 R.B.H.	Converted	Schaglti cotton Rifle	5"	Shot Shell	55" 48	D. Bar	
4.	IX"	F.P. 1864 D.M.B.	S.B.	Dupont Cannon	10 & 13	Shot Shell Shrapnel Grape	90 73.5" 76" 74.1	Broadside	

SECONDARY.

1	3" B.L.R.	W.S.W. 1878 H.L.H.	Steel	Dupont Cannon	3/4	Shell Shrapnel	7 7	Boat & Field	
1	12 Pdr. Light	W.S.W. 1870 F.M.R.	Bronze	Dupont Cannon	6.25"	Shell Shrapnel Canister	12 12 7.75"	Boat & Field	
1	Gatling	Colts: ~~D.A.C.~~ 1880	.45 Cal Shell		70 grs		406 grs	Boat & Field	

BOAT ARMAMENT.

Secondary Battery.

SMALL ARMS.

75 Rifles; Hotchkiss 2 Model, 65 Revolvers, Colts D.A. Cal 38
70 Cutlasses; 2 Rifles Cal 22 & 22 Ball Axes.

Examined and found to be correct.

Lieutenant, Navigator.

TABLES of Deviation of the Standard Compass No. 69 on board the U. S. S Essex - 3d Rate

DATE:	Feb. 22d. 1891
PLACE OF OBSERVATION:	Inverted - Rio de la Plata
LATITUDE:	S 35°-01'
LONGITUDE:	W 56-10
OBSERVED VARIATION:	6°.35-

SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.	E 0°-07'					
N. by E.	0 - 41					
N. N. E.	1 - 15					
N. E. by N.	1 - 20					
N. E.	1 - 25					
N. E. by E.	1 - 30					
E. N. E.	1 - 36					
E. by N.	1 - 42					
EAST.	1 - 15					
E. by S.	1 - 04					
E. S. E.	0 - 53					
S. E. by E.	0 - 30					
S. E.	0 - 04					
S. E. by S.	W 0 13					
S. S. E.	W 0 - 30					
S. by E.	0 - 35					
SOUTH.	0 - 41					
S. by W.	0 - 04					
S. S. W.	E 0 - 33					
S. W. by S.	0 37					
S. W.	0 - 41					
S. W. by W.	0 - 32					
W. S. W.	0 - 23					
W. by S.	0 - 14					
WEST.	W 0 - 30					
W. by N.	0 - 48					
W. N. W.	1 - 07					
N. W. by W.	1 - 32					
N. W.	1 - 57					
N. W. by N.	1 - 19					
N. N. W.	0 - 40					
N. by W.	0 - 17					

Examined and found to be correct.

C. K. Curtis
Lieutenant, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

at Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSE	5-6			29.92	67	57	56		b c g	cir nimb	5	
2				"	"	4			29.96	66	57	56		o c.	"	0	
3				"	South	4			29.99	64	57	56		o c p	nimb	0	
4				S S W	S S W	5			29.99	63	57	55		"	"	0	
5				"	South	4-5			29.97	63	57	55		b c g	cum nimb	4	
6				"	"	5			29.98	63	57	54		"	"	7	
7				S by W	"	3-5			30.00	63	56	54		"	"	2	
8				S by E	"	3-4			30.04	63	56	54		"	"	1	
9				S S W	S W by S	3-4			30.09	61	56	54		"	"	2	
10				South	"	2-4			30.10	61	56	54		"	"	4	
11				"	"	2-4			30.10	61	55	53		"	"	4	
Noon.				S S W	"	2-4			30.10	61	55	53		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2250 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 40 " 660 "

P. M.										
1		S S W	S W by S	4-5	30.10	61	55	52	b c g	cir nimb 2
2		"	"	4-5	30.10	62	55	52	"	" 3
3		"	"	4	30.10	62	55	51	b c	cir cum nimb 5
4		"	"	4	30.11	61	54	50	"	" 5
5		S W	S W	4	30.11	62	54	50	"	" 4
6		"	"	4	30.12	66	53	48	"	" 6
7		"	"	3	30.13	68	52	49	"	cir cum 9
8		"	"	3	30.13	68	57	50	"	" 9
9		S S W	"	3	30.17	68	53	52	"	" 8
10		South	S W by S	3	30.17	68	53	52	"	" 8
11		S S W	"	3	30.17	67	53	52	"	" 6
Mid.		"	"	2-4	30.17	65	54	51	b c g	" 4

under the command of Commander A. S. Snow, U. S. Navy,

Sunday May 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.

Overcast excepting a temporary break in the clouds the first hour. Fresh to moderate breeze from S.S.E. first part with stiff squalls first hour. At three o'clock the wind shifted to S.S.W. Light passing showers latter part.

Geo. F. Holman
Lieut. U.S.N.

4 to 8 a.m.

Cloudy, barometer rising. Wind from South gradually decreasing from fresh to gentle at end of watch, moderate sea. Received in Pay Dept. 121/2 lbs. beef, 121/4 lbs. vegetables & 9 lbs. bread.

H. J. T. Hewton
Lieut. U.S.N.

8 am to Meri.

Cloudy & squally. Light to moderate breeze from S.W. by S. Mustered at quarters at 9.30 J. Cooney (P.M.) absent & without leave. At 9.45 made routine signals. J. Cooney (P.M.) returned on board 28 hrs. over time.

J. M. Braine
Ensign U.S.N.

Meri to 4 p.m.

Fair. Moderate breeze from S.W. by S. with stiff squalls first part. Sent a liberty party ashore.

Geo. F. Holman
Lieut. U.S.N.

4 to 8 p.m.

Fair first two hours, clearing last two. Gentle to moderate breeze from S.W.

D. Mahoney
Ensign U.S.N.

8 p.m. to Mid

Clouding over. Gentle breeze from S.W. by S. first three hours. Light breeze from same direction from 11 to 11.30 it increased in force to moderate breeze.

Geo. F. Holman
Lieut. U.S.N.

Examined and found to be correct.

L. K. Lemon
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" ,3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				South	S W by S	3			30.17	65	54	52		b c	cumb	4	
2				"	"	4			30.17	66	55	52		"	"	6	
3				W S W	"	4-5			30.17	64	54	51		a c g	"	6	
4				S W by S	"	4-5			30.17	63	53	49		"	"	6	
5				"	S W	3-4			30.17	61	51	49		b c		8	
6				S W	"	4			30.17	60	51	49		"	"	6	
7				"	"	4			30.18	57	51	48		"	"	7	
8				"	"	4-5			30.19	57	51	48		"	"	3	
9				S W by S	S W by S	4			30.19	57	51	48		"	"	3	
10				"	S W	4-5			30.20	57	51	48		b c g	"	3	
11				"	"	4-5			30.20	57	51	49		b c p g	"	4	
Noon.				"	"	4-5			30.21	58	51	49		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 354 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1896 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 40 " 260 "

P. M.										
1	S W	S W	4	30.21	58	52	49	b c	cumc	4
2	"	"	4	30.21	59	52	49	"	"	4
3	W S W	"	4	30.21	58	52	49	"	"	4
4	"	"	4	30.21	57	53	49	"	"	4
5	S W	"	3	30.22	60	54	50	"	nimb	1
6	S S W	"	3	30.22	63	54	50	"	"	1
7	S W	"	3-4	30.24	68	54	50	o c g p	"	0
8	"	"	4	30.26	68	54	50	o c	"	0
9	"	"	4	30.25	69	53	50	"	"	0
10	"	"	4	30.25	70	54	50	"	"	0
11	S W by S	"	4	30.25	70	54	50	"	"	0
Mid.	"	S W by W	4	30.26	69	53	50	b c	"	2

under the command of Commander A. S. Snow, U. S. Navy,

Monday May 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.

Partly cloudy. Gentle to moderate breeze with occasional moderate squalls. Last two hours:

~~T. Harris~~
Lieut U. S. N.

4 to 8 am

Fair, clouding over last two hours: Gentle to fresh breezes from SW. Executed morning orders: At 7.00 Tallapoosa made positive signals: At 7.20 made sig. Interg 6144 Tallapoosa anchd aft, sent up topgallant masts at 7.45. Received in Pay Dept 122½ lbs fresh beef & vegetables & 98 lbs bread.

J. Mason
Ensign U. S. N.

8 am to Merid.

Generally fair. Passing showers from 10.50 to 11.15: Moderate breeze from SW by S to SW with stiff squalls last three hours: Rough harbor sea. At 9.30 mustered at quarters and had divisional drills. At 9.45 made routine signals: The following punishments were adjudged by the Comdg. Officer: R. Sherlock (Pvt) 75 hrs over leave, ped to 4th class, ¾ M. money & 1 hour extra duty for each hour over leave; F. R. Wilson (Sea) 64 hrs overtime - reduced to 4th class - 3 months ¾ M. money and one week extra anchor watch: D. McLain (CH) 86 hrs over leave - ped. to 4th class 3 months ¾ M. money & one week extra anchor watch: C. K. Jencyk (2cl F) 6 days over leave - ped to 4th class - 3 months ¾ M. money and 1 night watch in fire room for 2 weeks: J. Cooney (Pvt) 28 hrs overtime - ped to 4th class, 2 months ¾ M. money & 1 hour extra duty for each hour over. C. E. Eales (PM) Fighting 4 hrs extra duty: H. A. Jones (Pvt) Fighting - 8 hrs extra duty: D. Griffith (Pvt) Leaving post over prisoner and going to mess locker, 12 hours extra duty: H. A. Jones (Pvt) Insolence to 1st Sergt. - 2 weeks extra duty.

Geo. F. Holman
Lieut U. S. N.

Merid to 4 pm.

Pleasant weather. Moderate breeze from SW. Moderate harbor sea.

~~T. Harris~~
Lieut U. S. N.

4 to 8 pm.

Cloudy first part, overcast latter part: Gentle to moderate breeze from SW with moderate squalls third hour. Passing showers third hour. At 5 started fires under one boiler for heating purposes:

Geo. F. Holman
Lieut U. S. N.

8 pm to Mid

Overcast & cloudy. Moderate breeze & sea from SW & SW by W.

~~T. Harris~~
Lieut U. S. N.

Examined and found to be correct.

A. K. Benson
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S W	S W by W	4			30.25	67	53	50		b c	cum nb	2	
2				"	"	4			30.26	63	53	49		"	"	4	
3				"	"	4			30.26	63	53	49		"	"	4	
4				"	"	4			30.26	64	52	49		"	"	4	
5				S W by W	S W	4			30.28	64	53	50		"	cum. nimb	7	
6				W S W	"	4			30.28	63	53	49		"	"	8	
7				"	"	4			30.29	63	53	50		"	"	9	
8				S W by W	"	4			30.29	60	54	51		"	"	9	
9				W S W	W S W	4			30 33	66	55	52		"	cir cum	8	
10				"	"	4			30.34	64	56	53		"	"	8	
11				S W	"	4			30 34	63	54	51		"	"	8	
Noon.				S W by S	S W by W	4			30.34	62	54	51		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 322 gallons.

Water Distilled during the preceding 24 hours, 1019 "

Water remaining on hand fit for use at Noon, 2715 "

Coal consumed during the preceding 24 hours, 1 tons 535 lbs.

Coal remaining on hand at Noon, 35 " 1965 "

P. M.									
1	S W by W	S W by W	4	30.34	62	53	51	b c	cir cum. 9
2	"	W S W	4	30.33	68	55	52	"	" 9
3	W by S	W by S	3	30.32	64	57	53	b.	more 10
4	West	West	3	30.33	64	56	52	"	" 10
5	N W	W by N	2	30.34	74	56	52	"	" 10
6	W N W	"	2	30.33	74	55	52	"	" 10
7	N W	N W	2	30.33	73	55	52	"	" 10
8	"	N N W	1	30.33	72	55	52	"	" 10
9	S W	"	2	30.34	71	54	52	"	" 10
10	S S W	"	3	30.34	68	51	49	"	" 10
11	S by W	"	3	30.33	61	51	49	"	" 10
Mid.	"	"	3	30.33	58	51	49	"	" 10

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday May 12th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & untill 4 am.
Partly cloudy. Moderate breeze from S by W.

W. Ry Mason 2nd
Ensign U. S. N.

4 to 8 am.
Clear & pleasant. Moderate breeze from S W. Got ready to coal ship. A coal lighter came alongside at 7.30 At 7 Tallapoosa made dress signals and at 7.30 Union signal.

Geo. F. W. Holman
Lieut. U. S. N.

8 am to Merid.
Clear & pleasant weather. Moderate breeze from W & W. to S by W. Moderate sea. Coaling ship. Draft before commencing 12' 9" forid, 14' 5" amid & 16' 1" aft. Received about 90 tons coal.

[illegible]
Lieut U. S. N.

Merid to 4 pm.
Clear & pleasant, moderate to gentle breeze from S by W to W. Finished coaling. Received in all 126 370/2240 tons Cardiff coal. Draft after coaling for'd 13' 6", amid 15', aft 16' 6". Received in Equip. Dept. 15 yards for Jacob ladders, 35 yds blue bunting, 1 lb Linen thread. In Engineers Dept. 50 letter envelopes, 1 box pens, 5 quires note paper.

W. Ry Mason 2nd
Ensign U. S. N.

4 to 8 pm.
Clear & pleasant. Bright starlight & latter part Light breeze to light airs from West shifting gradually to N N W. Distilling.

[illegible]
Lieut U. S. N.

8 pm to Mid.
Clear & pleasant, light to gentle breeze from N N W.

W. Ry Mason 2nd
Ensign U. S. N.

Examined and found to be correct.

[illegible]
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by W	NNW	2			30.31	59	48	46		b	none	10	
2				WNW	"	2			30.30	60	47	44		"	"	10	
3				"	"	2			30.29	60	46	44		"	"	10	
4				"	"	2			30.29	60	45	44		"	"	10	
5				"	"	3			30.31	57	45	43		"	"	10	
6				WNW by N	"	3			30.31	56	45	43		"	"	10	
7				NW	"	3			30.31	50	46	44		"	"	10	
8				"	"	2			30.35	61	47	45		b m	"	10	
9				"	"	2			30.38	67	50	48		"	"	10	
10				"	"	2			30.39	68	55	52		"	"	10	
11				West-	WNW	2			30.39	65	56	53		"	"	10	
Noon.				WSW	West-	3			30.39	65	57	54		"	"	10	

Course and distance made good since preceding noon by observations, ____ knots ____ tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, ____ knots ____ tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at Noon, 2775 "

Coal consumed during the preceding 24 hours, tons 20 15 lbs.

Coal remaining on hand at Noon, 164 " 460 "

P. M.										
1	WSW	W by S	3	30.38	68	57	54	b c	cir cum	9
2	SW	"	3	30.38	67	58	55	"	"	9
3	SSW	"	3	30.38	65	59	57	"	"	9
4	S by W	WSW	2	30.38	65	60	57	"	"	9
5	"	"	1	30.38	66	59	57	"	"	9
6	West-	"	1	30.38	68	59	55	"	"	9
7	"	North-	1	30.38	70	58	56	b c m	"	9
8	North-	"	1	30.38	73	57	56	"	"	9
9	NNE	NE	1	30.46	73	57	54	b m w	none	10
10	NE	"	1	30.46	72	56	53	"	"	10
11	"	"	1	30.46	71	54	52	"	"	10
Mid.	East	"	2	30.45	68	54	52	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 13th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear & pleasant. Barometer steady. Light breeze from NNW

J.T. Newton
Lieut. U.S.N.

4 to 8 am.
Clear & cool. Gentle to light breeze from NNW. Received 122½ lbs fresh beef, 122½ lbs vegetables & 98 lbs bread in Pay Dept.

Lieut U.S.N.

8 am to Merid.
Clear & pleasant. Light to gentle breeze from NNW and WNW. Mustered and inspected at quarters and exercised divisions & company drill. Received on board in Pay Dept. 79 yds fine flannel and in Engrs Dept 57 lbs sheet gum, 100 lbs cotton waste, 24 burners for lamps. Made genl sig. Indrg 3455 and loosed sail. Also loosed boatsails to dry. Made routine signals.

W. Ry Braun Jr.
Ensign U.S.N.

Merid to 4 pm.
Clear & pleasant. Barometer steady, gentle breeze from WbyS. Issued clothes & small stores. H.B.M.S. Cleopatra left for Colonia.

J.T. Newton
Lieut. U.S.N.

4 to 8 pm
Clear & pleasant. Light airs from WSW hauling to North.

W. Ry Braun Jr.
Ensign U.S.N.

8 pm to Mid.
Clear & pleasant. Bright starlight. Barometer steady. Light airs from NE. A man of war came in and anchored.

J.T. Newton
Lieut. U.S.N.

Examined and found to be correct.

L.K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" ,3rd Rate,

At Montevideo Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SE by E	North-	2			30.44	63	52	51		b	none	10	
2				East-	"	2			30.44	63	52	50		"	"	10	
3				N by E	"	2			30.44	63	51	49		b c	circum	9	
4				N by W	"	2			30.44	63	50	48		"	"	9	
5				"	"	2			30.42	62	49	47		b zo	none	10	
6				NNW	"	2			30.43	61	49	47		"	"	10	
7				N by W	"	2			30.44	62	49	47		b m	"	10	
8				"	"	1			30.46	59	50	48		"	"	10	
9				North-	"	1			30.49	66	53	50		"	"	10	
10				"	"	1			30.49	63	57	54		"	"	10	
11				"	NNE	1			30.49	64	61	56		"	"	10	
Noon.				NNE	"	1			30.48	64	62	57		"	"	10	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2470 "

Coal consumed during the preceding 24 hours, tons 1635 lbs.

Coal remaining on hand at Noon, 163 " 1065 "

P. M.									
1	East	NNE	2	30.46	64	64	59	b m	none
2	"	"	2	30.44	63	64	58	"	"
3	ESE	"	2	30.44	63	63	58	"	"
4	SE	ENE	3	30.43	62	63	58	"	"
5	ENE	East	3	30.43	64	60	57	"	"
6	"	ENE	2	30.43	68	60	57	"	"
7	NE	NE	2	30.43	68	59	57	b	"
8	N by E	"	2	30.43	68	59	56	"	"
9	NNE	"	2	30.43	67	58	55	"	"
10	NE by N	"	2	30.43	65	56	54	"	"
11	NE	"	2	30.43	64	54	53	"	"
Mid.	"	"	2	30.43	63	53	52	"	"

under the command of Commander A. S. Snow, U. S. Navy,

Thursday May 14th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear and pleasand. Light breges from North.

A. McIrvine
Ensign U.S.N.

4 to 8 am.
Clear & pleasant. Light breze from North. Executed morning orders: Recd pouting signals.

W. Ry Mason Jr.
Ensign U.S.N.

8 am to Merid
Clear & pleasant. Barometer steady. Light airs from North and NNE. At 9.30 mustered at quarters, afterwards exercised boats under oars at fleet tactics. H.B.M.S. Acorn came in and anchd. Comdg. Officer of the Italian Gunboat Sebastiano Veniero visited this ship officially.

J. J. T. Newton
Lieut U.S.N.

Merid to 4 pm.
Clear & pleasant. Light breze from NNE & ENE. Sent liberty party ashore.

A. McIrvine
Ensign U.S.N.

4 to 8 pm.
Clear and pleasant. Barometer steady, light breze from Ed

J. T. Newton
Lieut U.S.N.

8 pm to Mid.
Clear and pleasand. Light breze from NE. Stopped distilling

A. McIrvine
Ensign U.S.N.

Examined and found to be correct.

H. K. Hunt
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				ENE	NE	3			30.43	59	57	53		bc	cir str	4	
2				"	"	4			30.42	59	56	53		bc w	"	4	
3				"	NNE	4			30.42	59	56	53		"	"	2	
4				"	NE	4			30.41	60	56	53		bc w	"	8	
5				ENE	NNE	3			30.41	60	55	54		b w	None	10	
6				NE	"	3			30.41	60	56	55		bc w	cumulo	9	
7				NE by N	"	4			30.41	60	56	55		bc	cir cumu str.	3	
8				"	NE	4			30.41	60	57	56		"	"	4	
9				NNE	NNE	4			30.41	61	59	57		"	"	6	
10				N by E	"	3			30.42	61	61	59		"	"	7	
11				North-	"	3			30.42	63	63	60		"	"	8	
Noon.				"	"	2			30.41	64	64	61		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ☉ ° ' "
- Longitude by chronometer from Forenoon Observations of ☉ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ☉ observed at " ° ' "

Variation of the Compass by Azimuth ☉ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 760 "

Water remaining on hand fit for use at Noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons 250 lbs.

Coal remaining on hand at Noon, 162 " 815 "

P. M.								
1	NE	NNE	2	30.41	64	66	62	bc	cir cumu strat-	6
2	ENE	North-	2	30.40	66	67	63	"	"	6
3	"	N by E	2	30.40	66	68	63	"	"	6
4	NE	NNE	2	30.40	66	68	63	"	"	8
5	"	NE	2	30.40	68	67	64	"	"	8
6	ENE	"	1	30.40	71	66	63	"	"	9
7	NNE	"	1	30.42	72	65	63	b w	None	10
8	"	"	1	30.44	72	63	61	"	"	10
9	"	"	2	30.41	73	63	61	b	"	10
10	"	"	4	30.41	69	61	59	"	"	10
11	"	"	4	30.41	68	60	59	"	"	10
Mid.	"	"	4	30.42	67	60	58	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Friday May 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Clear & pleasant. Heavy dew. Gentle to moderate breeze from NE. and NNE.

Geo. H. Holman
Lieut U. S. N.

4 to 8 a.m.

Clear - cloudy latter part. Clouds coming from N'd. Gentle to moderate breeze from NNE and NE. Rec'd in Pay Dep't 122½ lbs beef, 122½ lbs vegetables & 98 lbs bread.

W. T. Hayden
Lieut U. S. N.

8 a.m to Meridian

Mostly clear & pleasant. Light to moderate breeze from NNE. Went to general quarters at 9.30 times as follows: 1st Div 1.28; 2nd Div 1.20; 3rd Div. 1.08; Navig. Div 1.38; Powder Div. 2.18; Engr. Div 1.18; Marine Guard 1.12; Pay Dep't 1.10; Surg Div. 1.12; Made routine signals at 9.45 Tested magazine and shell room flood cocks & life buoys found them to be in good working order. Comdg. Officer made official call on the Italian Gunboat Vespucio and H.B.M.S. Acorn. W. J. Mendel (S. Apr 2cl) and A. E. Durand (Boy) returned on board 1½ hrs over time Comdg. Officer awarded the following punishments: C. F. Peterson (Cox) Slow in obeying orders - red to 2nd class 1 month. A. E Durand (Boy) and W. J. Mendel (S Apr 2cl) 1½ hrs over time, - each two weeks quarantine.

Geo. H. Holman
Ensign U. S. N.

Meridian to 4 p.m.

Clear & pleasant. Light breeze from North to NNE. Hauled fires. Rec'd on board the following stores in Engr. Dep't: 90 ft coire rope 1¾" dia. 6 lbs bar of round iron 1/8". 20 lbs common chalk. 3 lbs ground glass: 10 lbs plumbago; 5 gls turpentine 158 lbs sal soda. Rec'd in Equip't Dep't: 19 lbs sheet brass 1/8"; 12 glass globes for lanterns; 8 lbs tallow. Sent a liberty party ashore.

Geo. H. Holman
Lieut U. S. N.

4 to 8 p.m.

Clear & pleasant. Light airs and breezes from NE.

Ensign
Ensign U. S. N.

8 p.m to Mid.

Clear & pleasant. Light to moderate breeze from NE.

Geo. H. Holman
Lieut. U. S. N.

Examined and found to be correct.

M. K. Barnes
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE by N	NE	3			30.43	65	59	57		bc	cirrus	9	
2				NE	"	3			30.43	65	59	57		b c	none	10	
3				"	"	3			30.43	66	59	57		"	"	10	
4				"	"	3			30.43	63	58	57		-	"	10	
5				"	"	3			30.44	63	58	57		b c w	cir	9	
6				E by N	"	3			30.44	62	57	56		"	cirrus	7	
7				E by N	"	3			30.45	61	58	57		b c f.	"	4	
8				"	"	3			30.46	61	58	57		"	"	3	
9				NE	"	3			30.46	61	59	58		"	"	2	
10				"	"	3			30.46	63	62	61		"	"	2	
11				"	"	3			30.46	64	64	62		"	"	4	
Noon.				ENE	"	3			30.46	66	66	64		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, ( ) knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 445 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2485 "

Coal consumed during the preceding 24 hours, tons 1540 lbs.

Coal remaining on hand at Noon, 161 " 1515 "

P. M.								
1	NE by N	NNE	2	30.45	68	68	65	bc	nimb	3
2	E by S	ENE	2	30.44	67	68	65	"	"	3
3	"	"	2	30.44	67	67	64	"	"	3
4	ESE	"	2	30.42	67	66	63	"	"	3
5	ENE	NE	2	30.42	67	66	63	"	"	5
6	"	"	2	30.42	72	65	63	"	"	6
7	"	ENE	1	30.42	73	65	63	"	cir stz	5
8	NE by N	"	1	30.42	73	65	63	"	"	4
9	NE	"	2	30.42	72	64	62	b c m	"	4
10	NNE	NE	3	30.42	71	63	62	"	"	2
11	"	"	3	30.42	71	63	62	"	"	1
Mid.	"	"	3	30.42	71	63	62	"	"	2

under the command of Commander A. S. Snow, U. S. Navy,

Saturday May 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.

Clear & pleasant: Heavy dew. Bright starlight. Gentle breeze from NE.

Geo Prioleau
Lieut U. S. N.

4 to 8 am.

Clear & pleasant - first two hours with heavy dew. Cloudy and foggy last two hours: Gentle breeze from NE. Executed morning orders: At 7.40 made sig. Intrig 6144 Tallapoosa answd aff. Crossed top gallant yards at 7.55 Recd in Pay Dept. 122½ lbs fresh beef & vegetables & 98 lbs fresh bread.

J. M. Dixon
Ensign U. S. N.

8 am to Merid.

Fair. Gentle breeze from NE. Inspected bags of 1st Div. At 9.45 made pending signals

Geo T. Holman
Lieut. U. S. N.

Merid to 4 pm.

Cloudy but pleasant: Light breeze from NNE to ENE. American Bark Pending Hattie A. Dixon came in & anchored in outer roads.

Geo Prioleau
Lieut U. S. N.

4 to 8 pm

Fair. Light breeze to light airs from NE & ENE. Sent a liberty party ashore to Tallapoosa & Essex Minstrel Entertainment in aid of Sailors Home.

Geo T. Holman
Lieut U. S. N.

8 pm to Mid.

Cloudy. Gentle breeze from ENE to NE. Discharged Jno. McGeachy (N. R. Slt) at his own request.

Geo Prioleau
Lieut U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut -Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NEbyN	NEbyN	3			30.44	70	62	61		bc	circum	6	
2				"	"	3			30.40	69	62	61		"	"	6	
3				NEbyE	"	3			30.41	69	62	61		"	"	7	
4				"	"	4			30.41	68	62	61		"	"	8	
5				"	NNE	3			30.38	66	61	59		"	"	8	
6				"	"	3			30.37	64	61	59		"	"	3	
7				NNE	"	3			30.37	64	61	59		"	"	1	
8				"	"	3			30.37	64	61	59		oc	circumstrat-	0	
9				"	"	3			30.37	64	62	60		"	"	0	
10				"	"	2			30.36	63	63	61		bc	"	4	
11				"	"	2			30.34	65	63	63		"	"	3	
Noon.				"	"	3			30.30	66	67	63		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 385 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2100 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 161 " 1115 "

P. M.																	
1				NNE	NE	3			30.25	67	67	64		bc	circum	4	
2				NE	NNE	3			30.24	68	68	65		"	"	5	
3				"	"	3			30.23	69	70	66		"	"	7	
4				"	"	3			30.22	70	69	66		"	"	6	
5				EbyN	"	3			30.18	72	67	65		"	"	6	
6				NNE	"	3			30.20	73	66	64		"	"	4	
7				"	"	3			30.19	73	65	63		"	"	3	
8				NbyE	NbyE	3			30.19	71	65	63		"	"	3	
9				"	"	2			30.21	75	64	63		"	"	2	
10				"	"	3			30.21	75	64	62		"	"	6	
11				"	"	3			30.20	74	63	61		"	"	5	
Mid.				"	"	3			30.20	72	62	61		"	"	2	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday May 17th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Partly cloudy, gentle to moderate breeze from NE by N.
W. Ry Haen Feld.
Ensign U.S.N.

4 to 8 am.
Cloudy. Gentle breeze from NNE. At sunrise dressed ship - mast-head - Spanish flag at the main.
Gunr. L.W. Holman
Lieut U.S.N.

8 am to Merid.
Generally cloudy pleasant. Gentle to light breeze from NNE At 9.30 had divisional inspection & at 10. Comdg. Officer inspected ship & crew.
F. Harris
Lieut. U.S.N.

Merid to 4 pm.
Partly cloudy, gentle breeze from NE & N.N.E.
W Ry Haen Feld.
Ensign U.S.N.

4 to 8 pm.
Cloudy. Gentle breeze from NNE to N by E.
F. Harris
Lieut U.S.N.

8 pm to Mid.
Partly cloudy, light to gentle breeze from N by E.
W. Ry Haen Feld.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by E	N N E	4			30.17	70	62	60		o c	cir cumu	0	
2				"	"	4			30.15	69	61	60		"	"	0	
3				N N E	"	4			30.14	69	61	59		a c l	"	0	
4				"	"	4			30.12	68	61	59		"	"	0	
5				"	"	4			30.09	68	60	59		"	"	0	
6				N E by N	"	4			30.07	67	60	59		a c	cumb	0	
7				N N E	N by E	4			30.07	64	59	58		b c	"	3	
8				N by E	"	4			30.06	64	59	58		"	"	3	
9				"	"	4			30.07	63	59	61		"	cir cumu strat.	4	
10				"	"	4			30.07	64	64	61		"	"	6	
11				North	North	4			30.06	65	66	62		"	"	6	
Noon.				N by W	"	4			30.03	67	68	64		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 362 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1738 "

Coal consumed during the preceding 24 hours, tons 1160 lbs.

Coal remaining on hand at Noon, 160 " 2195 "

P. M.												
1	N by W	N by W	4	30.00	68	70	66	b c	cir cumu strat	4	
2	"	N N W	4	29.96	69	71	66	"	"	4	
3	"	"	4	29.94	69	71	66	"	"	4	
4	North	North	2	29.94	69	69	65	"	"	2	
5	N by E	N by E	2	29.92	71	67	64	o c	"	0	
6	N E	N N E	2	29.92	74	66	63	"	"	0	
7	N N E	"	2	29.91	75	65	62	"	"	0	
8	"	"	3	29.91	75	64	62	"	"	0	
9	N by E	N by E	3	29.94	74	64	62	"	cumb	0	
10	"	"	4	29.94	74	64	61	"	"	0	
11	"	"	4	29.94	73	63	61	"	"	0	
Mid.	"	"	4	29.94	72	63	61	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Monday May 18th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.

Overcast - moderate breeze from NNE. Barometer falling rapidly Lightning to N'd and occasionally to S'd & W'd.

H. J. Newton
Lieut. U. S. N.

4 to 8 a.m.

Cloudy but pleasant. - Moderate breeze from NNE to NE by E. Rec'd 122½ lbs. fresh beef, 122½ lbs. vegetables & 98 lbs. bread in pay Dep't.

Lieut. U. S. N.

8 a.m. to Merid

Partly cloudy, moderate breeze from NbyE & North. Mustered and inspected at quarters and exercised divisions at routine exercise. Patk. Dwyer (Boy) absent without leave.

W. Rg Watson Field.
Ensign U. S. N.

Merid to 4 p.m.

Cloudy and pleasant. - Moderate breeze from NbyW and NNW except last hour when it fell to Light. Barometer falling steadily. Transported sheet anchor & to the cradle and disconnected stbd chain from mooring swivel. Open hawse.

J. J. Newton
Lieut. U. S. N.

4 to 8 p.m.

Overcast & cloudy. Light breeze from NbyE & NNE. Hoisted Steam Cutter.

W. Rg Watson Field.
Ensign U. S. N.

8 p.m. to Merid.

Overcast - gentle to moderate breeze from NbyE. Barometer steady. Open hawse.

J. J. Newton
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Making passage from Montevideo to Buenos Aires.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NbyE	NbyE	4			29.94	71	63	61		oc	cirrus	0	
2				"	"	4			29.94	70	63	61		"	"	0	
3				"	"	4			29.89	70	63	61		"	"	0	
4				NNE	"	4-6			29.85	69	63	61		bc	"	9	
5				"	"	3-5			29.85	69	62	61		bcl	cumulus	3	
6				NbyE	"	4			29.85	68	62	61		"	"	3	
7				NNW	NNW	3			29.87	66	63	61		bc	"	2	
8				"	"	3			29.91	65	63	61		"	"	2	
9				SWbyW	"	3			29.91	66	64	62		"	circum	4	
10			4.2	"	"	3			29.92	67	64	62		"	"	5	
11			11.0	"	NW	3			29.89	66	64	62		oc	"	0	
Noon.			17.3	"	"	2			29.87	65	63	62		bc	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 418 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1320 "

Coal consumed during the preceding 24 hours, 2 tons 650 lbs.

Coal remaining on hand at Noon, 158 " 1145 "

P. M.											
1	23.5	SWbyW	NW	3	29.89	65	63	61	bc	cirrocum	3
2	29.5	WSW ½W	"	3	29.90	66	63	62	"	"	4
3	35.25	"	NNW	3	29.91	65	63	62	"	"	4
4	40.5	WNW ¾W	"	3	29.93	65	62	61	"	"	6
5	46.8	WNW ¼W	"	3	29.95	67	63	62	"	"	4
6	52.8	NW	SW	2	29.98	68	63	62	oc	"	0
7	59.	NW ½W	"	2	30.01	68	64	63	bc	"	6
8	65.1	"	"	1	30.04	71	63	62	"	"	6
9	72.0	"	"	1	30.07	73	63	62	"	"	5
10	78.2		"	1	30.08	74	62	61	"	"	5
11	82.0		SSE	3	30.10	73	61	60	ocm	"	0
Mid.		SE	SE	3	30.11	70	60	59	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday May 19th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.

Cloudy & overcast most of watch. Moderate to fresh breze from Nby to Started fires in two boilers at 3.00

D. McVicar
Ensign U.S.N.

4 to 8 am.

Partly cloudy. Very stiff to light breze from Nby E to NNW. Unmoored ship and hove in to 45 fms on port chain at 6.45 Called all hands up anchor at 7.45 and got underway at 7.50 and steamed slowly out of the harbor. Draft of ship ford 13'6"; amid. 15". aft. 16'6". The Tallapoosa signalled gen. cod 623 & 5794. Sec. code 665. Steaming under two boilers at end of watch. Paymaster W. W. Barry, U.S.N. left the ship on a weeks leave of absence. Gasket blew off manhole plate of D. boiler at 7.00 am.

W. Ray Braun Field.
Ensign U.S.N.

8 am to Merid.

Overcast or cloudy. Gentle to light breze from NW. Anchored at 8.15 and carried out hawser to Tallapoosa. At 9.03 got underway Tallapoosa in tow. Put over pat. log at 9.13 reading 0. Course NbW 1/2 W. At 9.20 set course NbW 7/8 W. Made sail at 9.35 to top gallant sails. At 12.08 changed course to WbW. Aver. steam 62.5 lbs; Aver. revs. 43. Condemned by Board of Survey & thrown overboard 2 lbs butter Patk. Dwyer (Boy) absent without leave.

H. J. Thurston
Lieut U.S.N.

Merid to 4 pm.

Partially cloudy. Gentle breeges from NW & NNW. Took in top gt. sails & topsails at 1 pm. Changed course to WbW 1/2 W at 2.00 pat. log 29.5 At 3.30 changed course to N by E. pat. log 38 1/8. took in foresail. At 3.46 sighted Point Judith light ship bearing NbW. Changed course to N by W at 3.48 pat. log 39 1/2, took in fore & aft sails. Changed course at 3.55 to NNW 3/4 W pat. log 40 1/2 Enlisted Albert Williams Brown as (Ldg) for cruise & rated him W.K. Steward from May 17th 1891. Aver. steam 72 lbs; aver. revs. 46.7

D. McVicar
Ensign U.S.N.

4 to 8 pm

Cloudy, clearing later part. Bright moonlight. Light breze to light airs from SW. Barometer rising steadily. At 4.20 changed course to NNW 1/4 W. pat. log 43. At 5.23 passed Judith light ship. changed course to NW 1/4 N pat. log 46; and at 5.30 to NW pat. log 49.8, current 1.6 setting E&S At 6.17 changed course to NW 1/2 N pat. log 54.5 Aver. steam 70 lbs; ave. revs 46.6.

H. J. Thurston
Lieut U.S.N.

8 pm to Mid.

Cloudy & overcast last two hours. Light airs & gentle breeges from SW, SSE & SE. Picked up Chico light ship bearing about NW by W at 8.35. Changed course at 9.00 NW by W 3/4 W pat. log 72, and at 9.05 NNW 1/4 W. at 9.30 c.c. N 1/4 W p. log 75.2 At 10.00 c.c NW by W 1/4 W p. log 78.2. Called all hands at 10.30. let go Tallapoosa at 10.40 & dropped port anchor at 10.54 in 5 fms; 60 fms port chain. At Anchorage Chico light ship bore SE by E dist 5 1/4 M. Banked fires: Ave sw. 42 ave. steam 62.

Examined and found to be correct.

D. McVicar
Ensign U.S.N.

Le. K. Austin Lane, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At anchor in Rio de la Plata

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SE	SE	4			30.15	67	59	57		o c	nimb	0	
2				SE by E	"	4			30.15	66	58	57		"	"	0	
3				" SE	"	4			30.17	66	58	57		"	"	0	
4				ESE	"	4			30.18	65	58	57		b c	"	7	
5				"	"	3			30.21	65	59	57		"	nimb cum	5	
6				SE by E	"	3			30.22	65	59	57		"	cum strat	7	
7				"	"	3			30.25	67	59	57		"	"	3	
8				"	"	3			30.27	63	59	57		"	"	3	
9				ESE	ESE	3			30.27	62	59	57		"	"	4	
10				"	"	3-4			30.27	63	59	57		"	"	4	
11				E by S	E by S	3-4			30.28	62	58	56		"	"	3	
Noon.				"	"	3-4			30.28	62	59	53		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 316 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1004 "

Coal consumed during the preceding 24 hours, 7 tons 870 lbs.

Coal remaining on hand at Noon, 151 " 275 "

P. M.									
1	ESE	ESE	3	30.27	63	59	55	b c	cir cum 5
2	"	"	3	30.27	63	58	55	"	" 2
3	"	"	3	30.27	63	58	55	"	" 2
4	"	"	4	30.29	69	58	56	o c m	" 0
5	SW	"	4	30.33	74	59	57	"	" 0
6	West	"	4	30.33	72	62	59	"	" 0
7	"	"	4	30.35	73	61	59	"	" 0
8	WSW	"	4	30.30	73	61	59	"	" 0
9	W by S	East	3	30.30	73	62	60	"	" 0
10	West	E by S	2-3	30.30	73	62	60	"	" 0
11	"	"	2-3	30.29	73	62	60	"	" 0
Mid.	W by S	"	3	30.25	69	61	60	o c r	cir nimb 0

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clearing. Moderate breze from S E.

Judge F W Holman
Lieut - U. S. N.

4 to 8 am.
Generally cloudy. Barometer rising. Gentle breze from S E. At 7.00 H. B. M. S. Beagle passed on her way to the Wd.

J T Newton
Lieut - U. S. N.

8 am to Merid.
Cloudy. Gentle to moderate breze from E S E & E by S. At 8.16 made sig. Stg 4757. Tallapoosa and. off. hauled fires. At 9.30 mustered at quarters & exercised as for routine. Made routine signals at 9.45 Patk. Dwyer (Boy) was absent without leave. Exercised apo prentice boys at sending down lower yards.

D M Stone
Ensign U. S. N.

Merid to 4 pm.
Cloudy & raw. Gentle to moderate breze from E S E. At 1.15 started fires under distilling boiler for heating. Exercised the apo prentices in sending up fore yard and bending fore sail. Tallapoosa engaged in target firing with rifles & revolvers. At 3.30 the Tallapoosa signalled by wig wag "Take me in tow at daylight - tomorrow and proceed to Buenos Ayres."

Judge F W Holman
Lieut U. S. N.

4 to 8 pm.
Cloudy & overcast. Moderate breze from E S E.

D M Stone
Ensign U. S. N.

8 pm to Mid.
Overcast. Light to gentle breze from East and E by S. A passing shower at 11.45

Judge F W Holman
Lieut. U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut: Navigator.

LOG of the UNITED STATES Steamer "Essex", 3ed Rate,

At anchor in Rio de la Plata.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SSW	ESE	4			30.19	68	60	57		o cir cu	cum nimb	0	
2				S by E	"	4			30.18	67	61	60		"	"	0	
3				SE	East-	4			30.17	67	62	60		"	"	0	
4				"	ESE	4			30.13	66	61	60		"	"	0	
5				SSW	East-	4			30.11	65	61	57		"	nimb	0	
6				WNW	"	3			30.11	64	61	60		"	"	0	
7				"	"	3			30.12	64	62	61		"	"	0	
8			85.5	W¾N	NE	3			30.12	69	64	62		"	"	0	
9	5	8	91.75	"	"	3			30.08	64	64	63		"	"	0	
10	6		98.75	W½N	NNE	3			30.07	63	63	62		bc	"	3	
11	6	2	105.75	WNW½W	"	3			30.02	67	63	62		"	"	3	
Noon.			112.5	"	North-	3			30.00	72	64	63		"	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 348 gallons.

Water during the preceding 24 hours, 424 "

Water remaining on hand fit for use at Noon, 1080 "

Coal consumed during the preceding 24 hours, 4 tons 360 lbs.

Coal remaining on hand at Noon, 146 " 1955 "

P. M.											
1	E by S	NE	1	30.01	78	65	64	o c	cir nimb	0	
2	"	SE	1	30.01	76	65	64	"	"	0	
3	"	East-	2	30.00	78	66	64	o c r	nimb	0	
4	East-	"	2	29.97	74	66	64	"	"	0	
5	ENE	"	2	29.95	76	64	63	o c r t	"	0	
6	"	ENE	3	29.93	76	64	63	"	"	0	
7	North-	NE	4	29.93	76	63	62	o c r	"	0	
8	"	"	4	29.91	76	62	61	"	"	0	
9	NW	"	4	29.90	74	62	62	"	"	0	
10	NW by N	"	4	29.85	72	63	63	o c l	"	0	
11	NW	"	4	29.83	72	64	63	o c l r	"	0	
Mid.	NNW	"	3	29.84	72	65	64	o c r l l	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday May 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.

Overcast & cloudy, misty & damp. Moderate breeze from E & E and East. Ship sponging between wind & tide till about 3.30 At 3.30 started fire under three boilers.

W. H. [illegible]
Lieut U. S. N.

4 to 8 am

Overcast & cloudy. Gentle to moderate breeze from East to NE. At 5.35 turned engines, got up anchor at 6.20 and dropped down to Tallapoosa, and took her in tow. At 6.30 made sig. interg. 4890 Tallapoosa answd. Tallapoosa made routine signal at 7.00 Started ahead on course W 2N at 7.20. At 7.30 put over pat-log reading 82.5: Changed course at 7.35 to W 3/4 N. At 7.45 made sail to topgallant sails, steaming with three boilers. Aver. steam 67 lbs; averg revs: 48

D. W. Stone
Ensign U. S. N.

8 am to Merid.

Cloudy. Gentle breeze from NE to North. Standing up the Rio de la Plata under steam and sail under cont of the Navigator, with the Tallapoosa in tow. At 9.45 made routine signals. At 12 noon approaching the anchorage off the canal for Buenos Ayres. Changed course as follows: 9.12 W 1/2 N, pat-log 93 3/4; 10.08 W 3/4 N, pat-log 99.6; 10.17, W by N, pat-log 100 3/4. 10.31 W N W 3/4 W, pat-log 102.9; 10.37 W N W 1/2 W pat-log 105.4; Aver. steam 66 lbs aver. revs 47.

Geo. F. W. Holman
Lieut U. S. N.

Merid to 4 pm.

Cloudy with steady rain last two hours. Light airs to light breeze from NE to East. At 12.20 cast off the Tallapoosa & at 12.26 anchored off Buenos Ayres outer roads, with port anchor 30 fms chain 4 fms water. Draft of ships forrd 13'7"; amids 16'1"; aft 16'7". Banked fires.

[illegible]
Lieut U. S. N.

4 to 8 pm

Overcast and raining. Thunder first part. Light to moderate breeze from East to NE.

Geo. F. W. Holman
Lieut U. S. N.

8 pm to Mid.

Rainy with thunder & lightning. Moderate to gentle breeze from NE.

[illegible]
Lieut U. S. N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At anchor in Rio de la Plata

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW	North-	2			29.81	71	65	64		o c 2	nimb	0	
2				"	"	2			29.80	70	64	63		"	"	0	
3				WNW	WNW	3			29.81	70	63	62		o c	"	0	
4				"	"	3			29.81	69	63	62		"	"	0	
5				"	"	3			29.78	69	62	61		o c m	"	0	
6				"	"	3			29.78	69	62	61		"	"	0	
7				WbyN	"	3			29.79	70	61	60		"	"	0	
8				"	"	3			29.89	69	61	60		"	nimb o c	0	
9				WNW	"	3			29.89	72	60	59		"	cum. nimb	0	
10				"	"	3			29.89	72	60	59		"	"	0	
11				WbyN	WbyN	2			29.90	69	59	57		"	"	0	
Noon.				"	"	3			29.91	67	59	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the °

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, 2070 "

Water remaining on hand fit for use at Noon, 2850 "

Coal consumed during the preceding 24 hours, 4 tons 270 lbs.

Coal remaining on hand at Noon, 142 " 1680 "

P. M.									
1		WbyS	4	29.93	76	60	58	o c m	cum nimb 0
2		WSW	4	29.93	73	61	59	"	" 0
3	NWbyW	"	3	29.93	74	61	59	"	" 0
4	"	"	2	29.94	69	61	59	"	" 0
5	"	West-	1	29.93	70	60	59	o c d	nimb 0
6	"	"	1	29.97	74	61	59	"	" 0
7	"	WNW	1	29.98	75	62	60	"	" 0
8	"	"	1	30.00	74	62	60	"	" 0
9	"	West-	2	30.02	73	61	60	h c m	cum nimb 2
10	"	"	2	30.02	74	61	60	"	" 4
11	"	WSW	1	30.03	74	60	59	"	" 2
Mid.	"	"	1	30.04	70	60	59	o c m	" 0

under the command of Commander A. S. Snow, U. S. Navy,

Friday May 22nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.

Overcast, cloudy & rainy. Light to gentle breeze from North-West.

W. Roy Mason 2nd
Ensign U.S.N.

4 to 8 am.

Overcast and misty. Gentle breeze from WNW. At 7.30 Tallapoosa made time signal.

Geo. F. W. Holman
Lieut. U.S.N.

8 am to Mrid.

Cloudy & misty. Gentle breeze from WNW to WbyN. At 9.30 mustered at quarters. Patk Dwyer (Boy) absent without leave. At 11.30 opened fires; at 11 got underway & stood in for entrance to Boca in charge of pilot.

[illegible]
Lieut. U.S.N.

Mrid to 4 pm.

Overcast & misty, moderate to light breeze from WbyS & WSW. Steaming into Buenos Ayres. At 3.00 stopped engines and began to moor to the Eastern side of the basin. Patk. Dwyer (Boy) returned on board 4 days 8 hours overtime & now put under sentry's charge awaiting investigation.

W. Roy Mason 2nd
Ensign U.S.N.

4 to 8 pm.

Overcast & cloudy with drizzling rain or thick mist. Light airs from West to WNW. Finished securing ship to dock. Hauled fires from all except distilling boiler. Distilling.

[illegible]
Lieut. U.S.N.

8 pm to Mid.

Partly cloudy then overcast, light breeze from West and light airs from WSW.

W. Roy Mason 2nd
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Aires, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWbyW	SW	2			30.04	67	60	59		oc	nimb	0	
2				"	"	2			30.04	68	60	59		"	"	0	
3				"	"	1			30.04	68	60	59		"	"	0	
4				"	NW	1			30.04	68	60	59		bc	"	3	
5				"	WSW	1			30.04	67	60	59		"	"	1	
6				"	"	1			30.04	66	60	59		bc cu	"	1	
7				"	Calm	0			30.05	63	61	60		oc cu	"	0	
8				"	"	0			30.06	63	61	60		"	"	0	
9				"	SE	1			30.07	70	61	60		ac d	"	0	
10				"	North	1			30.09	73	62	61		"	"	0	
11				"	NNE	2			30.09	70	61	59		oc cu	"	0	
Noon.				"	"	2			30.09	70	60	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 385 gallons.

Water Distilled during the preceding 24 hours, 1440 "

Water remaining on hand fit for use at Noon, 2805 "

Coal consumed during the preceding 24 hours, 1 tons 1960 lbs.

Coal remaining on hand at Noon, 140 " 1960 "

P. M.														
1			NWbyW.	NE	2	30.08	67	60	59	oc	cum stc	0		
2			"	"	2	30.07	68	60	58	"	"	0		
3			"	"	2	30.06	68	60	58	"	"	0		
4			"	"	2	30.06	73	60	59	bc	"	4		
5			"	ENE	2	30.06	71	61	59	"	"	4		
6			"	"	3	30.06	74	63	61	"	cir cum	6		
7			"	"	3	30.06	72	62	61	"	"	8		
8			"	"	3	30.06	74	63	61	"	"	7		
9			"	"	2	30.05	74	63	61	oc	cir nimb	0		
10			"	"	3	30.03	74	63	62	"	"	0		
11			"	"	3	30.02	74	63	62	"	"	0		
Mid.			"	"	3	30.03	73	63	62	"	"	0		

under the command of Commander A. S. Snow, U. S. Navy,

Saturday May 23rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Overcast; clearing last hour. Barometer steady. Light airs and light breeze from SW, last hour NW.

J Newton
Lieut. U. S. N.

4 to 8 p.m.
Cloudy & misty & damp. Light airs from WSW & Calm.

Lieut. U. S. N.

8 a.m. to Mid.
Overcast & misty, light airs from SE hauling to E & NNE. Substituted the 1 3/4 bower chain for the bowline and the sheet chain for the quarter line. An officer returned the call from the Italian vessel "Provana", and an officer from H.B.M.S. "Beagle" called officially.

W. Reg Mason Fuld.
Ensign U. S. N.

Mid. to 4 p.m.
Overcast. Barometer steady. Light breeze from NE. Comdg. Officer of the "Provana" visited the Ship. H.B.M.S. "Bramble" came in. Patk Dwyer (Boy) was confined for 5 days on bread & water for overstaying leave 24 hrs.

J Newton
Lieut. U. S. N.

4 to 8 p.m.
Partly cloudy light to gentle breeze from E & E. Paymaster W. W. Barry U.S.N. returned from leave. H.B.M.S. "Bramble" moored to the basin astern of us.

W. Reg Mason Fuld.
Ensign U. S. N.

8 p.m. to Mid.
Overcast. Barometer falling slowly. Occasional moonlight. Light to gentle breeze from E & E.

J Newton
Lieut. U. S. N.

Examined and found to be correct.

C. K. Lamb
Lieut., Navigator.

LOG of the UNITED STATES Steamer 'Essex', 3rd Rate,

At Buenos Aires A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWbyW	ENE	1			30.03	71	64	63		oc	cir cum	0	
2				"	"	1			30.01	70	64	63		ocl l-cum	nimb	0	
3				"	"	1			30.00	70	63-64			ocl l-p	"	0	
4				"	"	1			29.97	70	63-64			"	"	0	
5				"	North	2			29.96	70	63-64			"	nimb	0	
6				"	"	2			29.95	70	63-64			bcl l-p	"	1	
7				"	"	3			29.94	70	63-64			bcl	"	1	
8				"	"	3			29.94	69	63-64			bc	"	1	
9				"	"	3			29.94	69	66	63-		bc l-p	"	3	
10				"	"	3			29.94	69	66	63-		bc	"	3	
11				"	"	3			29.94	69	67	66		"	"	3	
Noon.				"	"	3			29.94	69	67	66		"	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2505 "

Coal consumed during the preceding 24 hours, tons 15 40 lbs.

Coal remaining on hand at Noon, 140 " 420 "

P. M.												
1		NWbyW	NNW	3	29.90	70	67	66	ocg	nimb	0	
2		"	"	3	29.89	70	69	68	"	"	0	
3		"	NWbyN	2	29.89	70	69	68	bcm	"	2	
4		"	WbyS	3	29.90	70	68	67	bc	cir nimb	4	
5		"	SW	3	29.92	69	68	66	b	none	10	
6		"	"	3	29.96	72	63-	63	"	"	10	
7		"	"	3	30.01	74	63	61	"	"	10	
8		"	"	2	30.05	73	61	59	"	"	10	
9		"	"	2	30.07	73	61	59	bm	"	10	
10		"	"	3	30.09	73	60	59	b	"	10	
11		"	"	3	30.12	70	59	57	"	"	10	
Mid.		"	"	2	30.13	68	59	57	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday May 24th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.

Overcast and cloudy with thunder & lightning last part, passing showers of rain. Light airs from E to E.

D. Winstone
Ensign U.S.N.

4 to 8 a.m.

Partly overcast, with occasional passing showers. Dressed ship rainbow fashion at 8 a.m.

W. Ray Watson Field
Ensign U.S.N.

8 a.m. to Mrid

Cloudy, occasional passing showers. Barometer steady. At 9.30 mustered at quarters. Absent without leave Jas. Rice (Ldsm).

J. T. Nadhorn
Lieut. U.S.N.

Mrid to 4 p.m.

Cloudy; overcast first two hours. Gentle and light breezes from NW NW by N & NNW. Sent liberty party ashore. Held divine service on board H.M.S. "Bramble" left for Montevideo.

D. Winstone
Ensign U.S.N.

4 to 8 p.m.

Clear and pleasant. Bright full moon. Barometer rising rapidly.

J. T. Nadhorn
Lieut. U.S.N.

8 p.m. to Mid

Clear and pleasant. Gentle & light breezes from SW.

D. Winstone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lamson
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWbyW	SW	1			30.12	69	58	56		b 20	none	10	
2				"	West	1			30.14	68	56	54		"	"	10	
3				"	"	1			30.14	67	55	54		"	"	10	
4				"	"	1			30.14	66	55	53		"	"	10	
5				"	WSW	3			30.16	68	53	51		"	"	10	
6				"	"	3			30.17	67	52	50		"	"	10	
7				"	SW	3			30.22	63	51	49		b	"	10	
8				"	"	3			30.25	66	53	50		"	"	10	
9				"	"	3			30.28	72	56	53		"	"	10	
10				"	"	4			30.30	73	59	55		"	"	10	
11				"	"	3			30.32	74	60	55		"	"	10	
Noon.				"	"	4			30.33	74	62	57		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 285 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2220 "

Coal consumed during the preceding 24 hours, tons 1170 lbs.

Coal remaining on hand at Noon, 139 " 1490 "

P. M.										
1	NWbyW	SW	3	30.32	72	64	58	b.	none	10
2	"	"	4	30.29	69	65	59	"	"	10
3	"	"	4	30.28	67	65	59	"	"	10
4	"	"	3	30.28	66	65	59	"	"	10
5	"	"	3	30.24	68	63	58	"	"	10
6	"	"	2	30.27	70	64	57	b c	circum	9
7	"	South-	1	30.28	74	68	55	"	"	9
8	"	SW	1	30.28	73	56	53	b c m	"	9
9	"	"	1	30.31	71	56	52	b m	none	10
10	"	South-	1	30.32	70	58	51	b m r	"	10
11	"	"	1	30.34	68	53	51	"	"	10
Mid.	"	"	2	30.34	68	58	49	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Monday May 25th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.

Clear and pleasant. Heavy dew. Bright moonlight. Light airs from SW to West. Jas. Reece (Lds) returning aboard drunk & disorderly was put under sentry's charge in double irons for safe keeping and, continuing disorderly was put in the brig. Patk. Dwyer (Lds) being put outside, temporarily, under sentry's charge.

Edgar T. Holman
Lieut U. S. N.

4 to 8 am.

Clear & pleasant, barometer rising, gentle breeze from WSW and SW. At Sunrise dressed ships with rainbow of flags. Argentine flag at main. Released J. Reece (Lds) and reconfined P. Dwyer (Boy) by order of Comdg. Officer.

N. J. Hewlett
Lieut U. S. N.

8 am to Midd.

Clear & pleasant. Gentle to moderate breezes from SW. Mustered at quarters at 9.30 & found Jno Mahoney (C&L) absent without leave. Exercised as per routine. F. T. Applegate & H. E. Lloyd (Sea Apps 2d) were rated Sea Apps 1st class from April 28th 1891. Crew engaged in scraping ships side preparatory to painting.

C. A. Stone
Ensign U. S. N.

Midt to 4 pm.

Clear & pleasant. Gentle to moderate breeze from SW. Scraping ships side, getting ready for painting.

Edgar T. Holman
Lieut U. S. N.

4 to 8 pm.

Clear and pleasant. Light airs & gentle breeze from SW & South. Jno Mahoney (C&L) returned on board 12 hours over time.

C. A. Stone
Ensign U. S. N.

8 pm to Mid.

Clear & pleasant. Light airs to light breeze from SW to South.

Edgar T. Holman
Lieut U. S. N.

Examined and found to be correct.

H. K. Hewlett
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW by W	South	2			30.33	67	52	50		bc	cir cum	9	
2				"	"	2			30.33	66	51	49		"	"	9	
3				"	"	2			30.33	65	49	47		"	"	9	
4				"	"	2			30.33	64	49	47		"	"	9	
5				"	"	2			30.32	63	47	45		bc cm	"	9	
6				"	"	2			30.32	60	46	44		"	"	9	
7				"	"	2			30.32	58	46	44		bc	cir stc	6	
8				"	"	2			30.32	57	46	45		"	"	6	
9				"	"	2			30.38	60	52	50		"	"	6	
10				"	"	2			30.36	68	56	53		"	"	6	
11				"	SE	2			30.36	68	59	55		"	cir cum	6	
Noon.				"	"	2			30.35	68	60	57		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 308 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1912 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 139 " 290 "

P. M.								
1	NW by W	SE	2	30.32	74 63	59	bc	cir cum 9
2	"	SSE	2	30.32	71 64	60	"	" 5
3	"	"	2	30.29	69 63	58	"	" 5
4	"	"	2	30.30	71 62	59	"	" 2
5	"	"	2	30.28	70 62	59	"	" 2
6	"	"	2	30.29	79 61	58	oc	xmb 0
7	"	"	2	30.29	80 60	57	"	" 0
8	"	"	2	30.28	79 60	57	"	" 0
9	"	"	2	30.30	76 60	56	bc	cir cum 2
10	"	"	1	30.30	74 59	56	"	" 1
11	"	"	2	30.29	72 58	55	"	" 2
Mid.	"	"	2	30.29	66 57	54	"	" 1

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday May 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 a.m.
Clear bright - moonlight. Light - breze from South.
[illegible]
Lieut U.S.N.

4 to 8 a.m.
Clear & pleasant. Light - breze from South. Executed morning order. Rec'd in Pay Dept - 97 lbs bread.
[illegible]
Ensign U.S.N.

8 a.m. to Mid
Clear and cool. Light - breze from South - to SE. At 8.30 loosed sail to a broaline. Engaged in scraping ship outside getting ready for painting. The following punishments were adjudged by the Comdg. Officer: viz W. E. Anderson (B. Wkr) Out-of uniform, not saluting an officer - off special class 2 months & quarantined at Buenos Ayres. F. F. Sullivan (Sea Appr 2cl) Losing boat-hook overboard - 10 days - quarantine. Jos. Reece (Lds) 4 hours - overtime, returning aboard drunk & disorderly, carrying razor as a weapon; - 5 days - confinement - on bread & water. J. Mahoney (Lds) 12 hrs - overtime ped. to 2nd class.
[illegible]
Lieut U.S.N.

Mid to 4 p.m.
Generally cloudy after first hour but pleasant. Light - breze from SE to SSE. Furled sail at 3.30. The Comdg Officer accompanied by P.A. Surgeon O. Dick U.S.N. & 1st Lieut H. C. Haines U.S.M.C. paid an official call upon the U.S. Minister.
[illegible]
Lieut U.S.N.

4 to 8 p.m.
Cloudy first part; overcast - latter part. Light - breze from SSE. Sent a liberty party ashore.
[illegible]
Lieut U.S.N.

8 p.m. to Mid
Cloudy, pleasant - weather. Light - breze & light airs from SSE.
[illegible]
Lieut U.S.N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" 3rd Rate,

At Buenos Ayres S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWbyW	SSE	1			30.28	68	56	53		bc	cir cum	6	
2				"	"	1			30.27	64	54	52		"	"	6	
3				"	"	1			30.25	63	53	50		"	"	9	
4				"	"	1			30.22	62	52	50		"	"	9	
5				"	"	1			30.21	58	51	48		bc cu	cir	9	
6				"	"	1			30.21	56	50	48		"	"	9	
7				"	"	1			30.21	56	50	48		bc	"	9	
8				"	"	1			30.21	58	50	49		"	"	9	
9				"	"	2			30.20	59	53	51		"	"	9	
10				"	"	3			30.20	61	55	52		"	"	9	
11				"	East	3			30.19	68	57	53		"	"	9	
Noon.				"	"	3			30.19	68	58	55		"	"	9	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 295 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1617 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 138 " 1330 "

P. M.											
1		NWbyW	East	3	30.19	67	59	56	bc	cir cum	9
2		"	ENE	3	30.17	66	61	59	"	"	9
3		"	"	3	30.16	75	60	57	"	"	9
4		"	"	3	30.16	79	61	58	"	cir str	6
5		"	"	3	30.14	81	60	58	"	"	5
6		"	"	2	30.14	78	60	58	"	"	5
7		"	"	2	30.13	78	61	58	bc cu	"	7
8		"	"	2	30.12	75	61	58	"	"	8
9		"	"	4	30.08	74	59	56	bc	cir cum	3
10		"	"	4	30.05	78	57	55	"	Nimb	2
11		"	"	4	30.02	73	57	55	"	"	1
Mid.		"	"	4	30.01	71	57	54	o c l	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 27th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear and cool. Light airs from SSE.
Jno. W. Holman
Lieut. U. S. N.

4 to 8 am.
Clear, light airs from SSE. Received fresh provisions for use of crew.
W. Roy Mason Fuld.
Ensign U. S. N.

8 am to Merid.
Clear & pleasant. Light to gentle breze from SSE shifting to East about 10. At 9.30 mustered at quarters.
[illegible]
Lieut U. S. N.

Merid to 4 pm.
Clear & pleasant, gentle breeze from East & ENE. Furled and unbent sails. Sent down top gallant yards. Sent home by Royal Mail Str. "Moselle" H. E. Lloyd and F. T. Applegate Sea Appr. 1st class)
W. Roy Mason Fuld.
Ensign U. S. N.

4 to 8 pm.
Generally clear & pleasant. Misty last two hours. Light breeze from ENE.
[illegible]
Lieut. U. S. N.

8 pm to Mid.
Partly cloudy, Moderate breze from ENE.
W. Roy Mason Fuld.
Ensign U. S. N.

Examined and found to be correct.

Le. K. Jenson
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWbyW	East	4			30.01	67	58	56		o c p l	rainb	0	
2				"	"	4			30.00	66	59	56		"	"	0	
3				"	"	4			29.98	65	58	56		o c p t l	"	0	
4				"	"	4			29.93	64	57	56		o c p l	"	0	
5				"	ENE	2-4			29.90	64	57	56		o c p g l	"	0	
6				"	"	3-5			29.88	63	56	56		o c p l t g	"	0	
7				"	"	3-5			29.88	63	56	56		"	"	0	
8				"	"	3-5			29.89	66	57	56		"	"	0	
9				"	"	3-5			29.90	76	58	57		o c p g	"	0	
10				"	"	3-5			29.90	78	58	58		"	"	0	
11				"	"	3-5			29.90	78	60	58		"	"	0	
Noon.				"	"	3-5			29.88	79	60	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 315 gallons.

Water Distilled during the preceding 24 hours, 240 "

Water remaining on hand fit for use at Noon, 1592 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 138 " 130 "

P. M.										
1	NWbyW	ENE	3	29.84	76	59	57	o c	rainb	0
2	"	"	3	29.83	70	59	58	"	"	0
3	"	"	3	29.79	68	59	58	"	"	0
4	"	North	2	29.78	73	59	58	"	"	0
5	"	"	1	29.86	80	61	59	o c d	"	0
6	"	"	1	29.84	81	63	61	"	"	0
7	"	West	1	29.85	81	63	61	o c	"	0
8	"	WSW	1	29.86	80	63	61	"	"	0
9	"	"	1	29.86	81	63	61	o c m	"	0
10	"	"	1	29.87	79	62	60	"	"	0
11	"	"	1	29.87	76	62	60	"	"	0
Mid.	"	"	1	29.87	73	61	59	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Thursday May 28th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.

Overcast. Rainy & blowing at intervals throughout the watch. Barometer falling. Moderate breeze from East.

J. Newton
Lieut U.S.N.

4 to 8 am

Cloudy, rainy & squally. Light breeze with frequent stiff squalls from E by E.

~~Officer~~
Lieut U.S.N.

8 am to Mid.

Overcast, cloudy, rainy & squally. Gentle to stiff breeze from E by E.

W. Ray Mason Jr.
Ensign U.S.N.

Mid to 4 pm

Overcast, raw & unpleasant. Barometer & thermometer falling. Gentle breeze from E by E. Receive in Equipt Dept 10¼ gals olive oil. One 1¼ gll tin marked Ohio River Pomeste Puro d' Oliva guaranteed was found to be filled with water. Supplies Pimeti & Bell.

J. Newton
Lieut. U.S.N.

4 to 8 pm

Overcast, Light breeze to light airs from North.

W. Ray Mason Jr.
Ensign U.S.N.

8 pm to Mid.

Overcast, barometer steady. Light airs from NW. Distilling.

J. Newton
Lieut. U.S.N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres. A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWbyW	West	2			29.87	68	61	58		o c m	cumulo	0	
2				"	"	2			29.86	66	60	58		"	"	0	
3				"	WSW	2			29.86	63	59	58		"	"	0	
4				"	"	2			29.87	61	58	57		"	"	0	
5				"	"	2			29.88	55	58	56		"	"	0	
6				"	"	2			29.89	57	58	55		"	"	0	
7				"	South	2			29.91	58	57	55		"	"	0	
8				"	"	3			29.94	60	57	55		"	"	0	
9				"	"	3			30.00	76	56	55		"	"	0	
10				SbyE	SSW	2			30.03	74	59	57		"	"	0	
11				"													
Noon.				"													

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 315 gallons.

Water Distilled during the preceding 24 hours, 1573 "

Water remaining on hand fit for use at Noon, 2850 "

Coal consumed during the preceding 24 hours, 1 tons 760 lbs.

Coal remaining on hand at Noon, 136 " 1610 "

P. M.												
1		SbyE	South	1	30.02	70	64	61	o c m	cum nimb	0	
2		"	"	1	30.02	71	63	61	"	"	0	
3		"	"	2	30.02	72	62	61	o c d	"	0	
4		"	"	2	30.02	72	61	60	"	"	0	
5		"	"	2	30.01	73	60	59	"	"	0	
6		"	"	2	30.02	74	60	58	"	"	0	
7		"	SSE	3	30.08	76	60	58	"	"	0	
8		"	SbyE	3	30.09	76	59	57	"	"	0	
9		"	"	2	30.12	75	58	56	h c	cir nimb	5	
10		"	SSW	2	30.12	74	58	56	"	"	5	
11		"	"	3	30.13	73	57	55	"	"	4	
Mid.		"	"	3	30.13	71	57	55	"	"	3	

under the command of Commander A. S. Snow, U. S. Navy,

Friday May 29th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. a.m.
Overcast - cloudy & misty. Light breezes - from West & WSW.
Distilling.

D. Thomson
Ensign U.S.N.

4 to 8 a.m.
Overcast & misty. Light - breeze from WSW. Recd fresh provisions for use of crew. Distilling.

W. Ray Grass Field
Ensign U.S.N.

8 a.m to Mid
Overcast - barometer steady light - airs & light - breezes - from SS
At - 8.20 got - under way two tugs - towing pilot - in charge, and secured - Dock No 2. secured in SE corner. By order of Comdg. Officer placed W. J. Liggan (OS) in single irons for safe Keeping.

J. H. Newton
Lieut - U.S.N.

Mid to 4 p.m
Overcast - cloudy & misty & drizzling. Light - airs & breezes - from South. At - 3.30 made sig indicg 6144 Tallapoosa amid aff. Crossed top gallant yards. Sent - liberty - party - ashore.

D. Thomson
Ensign U.S.N.

4 to 8 p.m.
Overcast - barometer rising. Light - airs. to - gentle - breeze from S & SSE. Made preparation for dressing ships.

J. H. Newton
Lieut U.S.N.

8 p.m to Mid.
Partially cloudy. Light and gentle - breezes from Sly & E and SSW.
Distilling.

D. Thomson
Ensign U.S.N.

Examined and found to be correct.

L. K. Jamison
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SSW	3			30.12	67	55	53		o c m	cum nimb	0	
2				"	"	4			30.12	65	54	53		b c	cir cum	5	
3				"	"	4			30.12	63	53	51		"	"	8	
4				"	SW	3			30.12	61	52	51		o c	"	0	
5				"	"	2-4			30.12	60	52	51		b c m	nimb	1	
6				"	"	2-4			30.13	59	51	50		"	"	1	
7				"	"	3-4			30.15	61	52	51		o c	"	0	
8				"	"	3			30.17	64	53	51		b c	cir cum nimb	4	
9				"	"	3			30.21	70	54	52		b c m	"	4	
10				"	"	4			30.23	74	55	53		b c	"	6	
11				"	"	4			30.23	70	56	54		"	cir cum	9	
Noon.				"	"	3			30.22	70	58	54		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2490 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 136 " 310 "

P. M.														
1			Sby E	SW	3	30.20	30.20	70	59	56	b c	circum	6	
2			"	"	3	30.19	30.19	68	58	56	"	"	2	
3			"	"	4	30.19	30.19	66	58	56	"	"	1	
4			"	SSW	3	30.19	30.19	66	58	54	"	"	1	
5			"	"	3	30.20	30.20	70	57	55	"	"	4	
6			"	"	2	30.20	30.20	72	58	55	"	"	2	
7			"	"	2	30.23	30.23	72	58	56	"	"	4	
8			"	"	2	30.24	30.24	72	56	53	"	"	8	
9			"	SW	3	30.24	30.24	68	56	52	"	"	9	
10			"	"	3	30.24	30.24	67	53	50	"	"	9	
11			"	"	3	30.23	30.23	66	51	49	b	"	10	
Mid.			"	"	3	30.23	30.23	66	50	48	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday May 30th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Generally cloudy, foggy last hour. Gentle to moderate breeze from SSW to SW.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 a.m.
Cloudy & overcast. Barometer rising. Gentle to moderate breeze from SW. Received in Pay Dept 98 lb fresh bread. Dressed ship at sunrise rainbow. national ensign at main.

J. Hunter
Lieut U.S.N.

8 a.m to Mid
Cloudy first hour clearing last part. Gentle & moderate breeze from SW. U.S. Minister made an official visit on board.

D. Johnston
Ensign U.S.N.

Mid to 4 p.m
Cloudy ova. Gentle to moderate breeze from SSW to SW. T. J. Flaherty (Ldr) drunk on board ship - was put in double irons for safe keeping and to await the action of the Comdg. Officer. The U.S. Consul visited the ship.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 p.m.
Cloudy most of watch. Clearing last hour. Light and gentle breezes from SSW.

D. W. Stone
Ensign U.S.N.

8 p.m to Mid.
Clear & cool. Gentle breeze from SW.

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

H. K. Hewett
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres - A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SW	3			30.24	64	49	47		bc nw	cir cum	9	
2				"	"	2			30.24	64	48	46		"	"	9	
3				"	"	2			30.24	64	48	46		"	"	9	
4				"	"	1			30.24	63	48	46		"	"	9	
5				"	"	1			30.24	61	47	45		bc	none	10	
6				"	"	1			30.24	60	46	45		"	"	10	
7				"	"	2			30.24	64	47	45		bc nw	cir cum sh.	8	
8				"	"	1			30.24	59	47	45		"	"	8	
9				"	"	2			30.23	66	48	46		bc	"	8	
10				"	"	1			30.26	73	50	48		"	"	9	
11				"	"	1			30.27	76	53	51		"	"	9	
Noon.				"	"	1			30.27	76	53	52		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2135 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 135 " 1150 "

P. M.										
1		SbyE	SW	2	30.27	72	58	54	bc	cum	4
2		"	"	2	30.25	73	58	54	"	"	3
3		"	"	2	30.25	74	58	54	"	"	3
4		"	"	2	30.25	74	58	54	"	"	4
5		"	South	1	30.25	74	58	54	"	"	3
6		"	SW	1	30.25	76	57	54	o c nc	"	0
7		"	"	1	30.25	76	57	54	"	"	0
8		"	"	1	30.25	75	57	54	"	"	0
9		"	Calm	0	30.23	77	56	53	bnc	none	10
10		"	"	0	30.23	76	56	53	"	"	10
11		"	"	0	30.23	75	56	53	"	"	10
Mid.		"	"	0	30.24	74	56	53	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Sunday May 31st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Clear, bright – moon & starlight. Moon rose 12.10 Gentle breeze to light airs from SW.

~~A. Bridges~~
Lieut U.S.N.

4 to 8 a.m.

Clear & pleasant. Light airs & breezes from SW. Tallapoosa made routine sigs at 7.45. Rec'd in Pay Dept 120 lbs fresh beef & vegetables and 96 lbs bread.

~~D.W. Stone~~
Ensign U.S.N.

8 a.m to Merid.

Clear and pleasant. Light airs from SW. At 9.30 inspected the divisions at quarters absentees, M. Kiesler (W.T.) J.F. Quigley (Pst.) Thos. Shields (Pst.); H. Nygren (Sp.St.); and D. Williken (Cold) At 10 the ship and the crew at quarters, were inspected by the Comdg Officer. At 9.40 made routine signals. T.J. Flaherty (Lds) was released from the brig and was put under Sentry's charge to await trial by Summary Court Martial for drunkenness aboard. J.F. Sullivan (S.Appr 2cl) was, by order of the Comdg Officer, put in the 4th class for 3 months, with 75 monthly money, for disobedience of orders of petty officers and for using vile and provoking language to petty officer. J.J. Simonson (C.F.C.) returning from liberty drunk, was put under Sentry's charge for safe Keeping. M. Kiesler (W.T.) returned on board

Geo. F. Sullivan
Lieut U.S.N.

Merid. to 4 p.m.

Cloudy with short periods blue sky. Light breeze from SW. J.J. Simonson (C.F.C.) was released from sentry's charge & returned to duty by order of Commanding Officer.

~~A. Bridges~~
Lieut U.S.N.

4 to 8 p.m.

Clouding over. Light breeze to light airs from South & SW.

Geo. F. Sullivan
Lieut U.S.N.

8 p.m to Mid.

Clear overhead, hazy along horizon. Calm. At about 11.20 heard cry "man over board" from bridge across entrance to Dock No 2. Lowered dinghy & sent her to rescue but she arrived too late as the man could not be found.

~~A. Bridges~~
Lieut U.S.N.

Examined and found to be correct.

M. K. Simonson
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SW	2			30.24	70	53	53		bc	cir cumst	6	
2				"	"	1			30.23	70	54	51		"	"	7	
3				"	"	1			30.22	67	53	51		"	"	6	
4				"	"	1			30.21	60	54	52		"	"	9	
5				"	WSW	1			30.21	63	54	52		"	"	8	
6				"	"	1			30.20	62	54	52		"	"	8	
7				"	WW	2			30.20	58	54	52		"	"	8	
8				"	"	3			30.20	57	56	54		"	"	8	
9				"	"	2			30.23	68	58	53		"	"	7	
10				"	"	2			30.26	69	60	58		"	"	7	
11				"	"	2			30.26	65	60	57		"	"	7	
Noon.				"	WNW	2			30.26	65	60	57		"	cir cumst	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 349 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1786 "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 134 " 1890 "

P. M.												
1		SbyE.	North	2	30.23	64	60	57	bc	cir cumst	6	
2		"	"	2	30.17	63	60	54	"	"	6	
3		"	"	2	30.16	63	59	54	"	"	6	
4		"	"	2	30.13	65	59	56	"	"	5	
5		"	"	2	30.17	75	60	57	"	"	5	
6		"	"	2	30.21	80	61	58	"	"	8	
7		"	"	2	30.20	76	62	58	"	"	8	
8		"	"	2	30.19	74	61	58	"	"	8	
9		"	"	2	30.19	72	61	57	"	"	8	
10		"	"	2	30.19	71	60	57	"	"	8	
11		"	"	2	30.19	70	59	57	"	"	8	
Mid.		"	"	2	30.18	69	59	56	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Monday, June 1st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Partly clear, light airs from S.W.

W. Ry Master Fuld.
Ensign U.S.N.

4 to 8 a.m.
Clear and pleasant. Heavy dew before sunrise. Light airs to gentle breze from W.S.W. first part and N.W. latter part.

George Lilly Coleman
Lieut. U.S.N.

from N.W. & N.N.W. Al-
lections, D. Milliken (Ldsm),
(Diler), Thos. Shields (Pvt),
ed charges & specifications
Flaherty (Lds) James-
Scotland, who married
ian Scotch Church, B. Ayres.

" 8 A.M. to Meridian.

x x x James Buchanan and Mary Wilson or Anderson, Natives of Scotland, were married on board at 11:40 by Rev. James Smith, D.D., Chaplain Scotch Church, B.Ayres. Witnesses : Thomas Bell and A. Watson Hulton.

F. A. Wilner
Lieut. U.S.N. "

Foriguen
Lieut U.S.N.
: Sent an officer to
for dressing ship on
the "Provana" called officially
without permission.
Ry Master Fuld.
Ensign U.S.N.
North - N.O. Pugh (Cox)
and (Boy) was brought
on shore about three hours
ers - for safe Keeping

Foriguen
Lieut-U.S.N.
th -
: Ry Master Fuld.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Monday, June 1st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Partly clear, light airs from S.W.

W. Ry Master Fuld.
Ensign U.S.N.

4 to 8 a.m.

Clear and pleasant. Heavy dew before sunrise. Light airs to gentle breze from W.S.W. first part and N.W. latter part.

Geo. L. Holman
Lieut. U.S.N.

8 a.m. to Merid.

Generally clear & pleasant weather. Light breze from N.W. & N.N.W. At 9.30 mustered at quarters & exercised as per position, D. Militia (Cols), W. O. Pugh (Cox), C. Edwards (Oiler), Jos. V. Cronige (Oiler), Thos. Shirley (Pot), and J. F. Quigley (Pot) absent without leave. Delivered charges & specifications of charges prefrid by Comdr. A. S. Snow to Thos. J. Flaherty (Cox) James Buchanan & Mary Wilson or Anderson, Natives of Scotland who married on board at 11.45 by Rev. James Smith D.D. Chaplain Scotch Church, N. York. Witnesses: Thomas Bell & A. Watson Hulton.

Foreign
Lieut U.S.N.

Merid to 4 p.m.

Partly cloudy, light breze from North. Sent an officer to thank the Comdg. Officers of the Foreign men of wars for dressing ships on May 30th. The Comdg. Officer of the Italian Corvette "Provana" called officially A. E. Durand (Boy) absented himself from the ships without permission.

W. Ry Master Fuld.
Ensign U.S.N.

4 to 8 p.m.

Clear fine weather. Light breze from North. W. O. Pugh (Cox) returned on board 9 hrs. over time. A.E. Durand (Boy) was brought on board drunk by master at arms; having been on shore about three hours without permission. Placed him in double irons for safe keeping by order of Comdg Officer.

Foreign
Lieut U.S.N.

8 p.m. to Mid.

Clear & fine, light breze from North.

W. Ry. Master Fuld.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemon
Lieut Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North-	2			30.16	69	58	56		b	none	10	
2				"	"	2			30.16	67	58	56		"	"	10	
3				"	NNW	1			30.17	66	57	55		bc	cir stc	9	
4				"	"	1			30.16	64	57	55		"	"	9	
5				"	"	2			30.17	60	57	55		"	cir	9	
6				"	"	1			30.18	58	56	54		"	cir stc	8	
7				"	"	2			30.18	58	56	54		"	"	6	
8				"	NW	2			30.19	56	55	54		"	"	4	
9				"	"	2			30.23	68	57	55		"	"	8	
10				"	"	1			30.26	72	60	58		"	"	8	
11				"	NW by N	1			30.27	77	61	58		"	"	8	
Noon.				"	"	1			30.27	81	61	59		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1411 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 134 " 690 "

P. M.												
1	S by E	West-	2	30.25	71	62	59	bc	cir stc	8		
2	"	SSW	1	30.24	70	62	58	"	"	8		
3	"	North-	1	30.23	70	63	59	"	"	7		
4	"	"	1	30.22	69	63	60	"	"	5		
5	"	"	1	30.21	72	62	59	"	"	5		
6	"	"	1	30.20	74	62	59	"	"	8		
7	"	"	1	30.21	74	61	58	b 10	none	10		
8	"	Calm	0	30.21	73	60	58	"	"	10		
9	"	North-	1	30.23	71	60	58	bc	cir cum	6		
10	"	Calm	0	30.23	69	60	57	"	"	6		
11	"	"	0	30.23	67	59	57	"	"	8		
Mid.	"	"	0	30.22	67	59	56	"	"	8		

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday June 2nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant: Barometer steady. Light breeze & light airs from Nd

J.T. Newton
Lieut. U.S.N.

4 to 8 a.m.
Clear & cool. Light breeze & light airs from NNW & NW. Rec'd 90 lbs bread in Pay Dept.

8 a.m. to Mid
Clear weather, light breeze to light airs from NW to NW by North. Mustered at quarters: the following men were absent without leave: D. Milliken (C. Hds), E. Edwards (Oiler), J.D. Cronin (Oiler) H. Lear (B.M.) J.M. Cunningham (Ge Mr) Listed ship over to stbd preparatory to cleaning & painting copper. A.S.C. Martial convened on board at 10.30 for the trial of T. Flaherty (Ldg) and such other persons as should be brought before it. Lt. C.K. Curtis, U.S.N. was senior member. The Court adjourned at 11.25. The Comdg. Officer adjudged the following punishments, viz: H.A. Jones (Pot) Neglect of duty — 48 hrs extra duty; J.M. Kinsler (W.T.) 2 hrs overtime — 10 days quarantine; W. Forrest (Gr Lr) 40 min. late — 7 days quarantine; J.J. Simonson (C.F.H.) Drunk from liberty — reduced to 2nd class 1 month. Thos. Shields (Pot) & J. Quigley (Pot) 36 hrs overtime — each reduced to 4th class, 2 months & each 36 hours extra duty; W.O. Pugh (Cox) 9 hrs overtime — reduced to 2nd class, 1 month. A.E. Durand (Boy) Absenting himself without leave — Sentry's charge awaiting trial by S.C. Martial

W. Roy Mann Jr. Asst.
Engineer U.S.N.

Mid's to 4 p.m
Clear & pleasant — barometer rising. Wind light and variable. Enlisted William Francis Burns as (Ldg) from May 29th 1891 for the cruise. By order of Comdg Officer confined W.J. Liggan (O.S.) in cell without irons for safe Keeping. Charges & specifications preferred against A.E. Durand were given to him.

J.T. Newton
Lieut. U.S.N.

4 to 8 p.m.
Partly cloudy, light airs from North.

W. Roy Mann Jr. Asst.
Engineer U.S.N.

8 p.m. to Mid.
Clear & pleasant; barometer steady. Calm & light airs from North.

J.T. Newton
Lieut. U.S.N.

Examined and found to be correct.

C.K. Curtis
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North-	1			30.21	63	57	55		bc ov	circum	9	
2				"	West-	1			30.21	63	56	54		"	"	9	
3				"	"	1			30.20	62	53	52		"	"	9	
4				"	"	1			30.18	60	53	52		"	"	9	
5				"	"	1			30.16	60	53	52		bc ov	"	10	
6				"	"	1			30.16	59	53	52		bc	cir str	9	
7				"	WNW	1			30.17	57	53	52		bc rc	"	9	
8				"	WNW	2			30.17	56	53	52		bc rn	"	8	
9				"	"	1			30.25	70	53	52		bc	cir	9	
10				"	West-	2			30.27	74	56	54		"	"	9	
11				"	"	2			30.28	78	59	56		cir cum	"	8	
Noon.				"	"	2			30.28	80	60	57		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 320 gallons.

Water Distilled during the preceding 24 hours, 259 "

Water remaining on hand fit for use at Noon, 1360 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 133 " 1530 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				S by E	West-	2			30.26	81	62	59		bc	circum	2	
2				"	SW	3			30.25	75	63	60		"	"	2	
3				"	SSW	3			30.25	71	61	58		oc	rimb	0	
4				"	"	3			30.25	71	59	56		"	"	0	
5				"	"	3			30.28	69	57	53		bc	"	1	
6				"	South-	2			30.30	69	56	52		oc	"	0	
7				"	SE by E	3			30.33	70	55	52		bc	cum rimb	3	
8				"	South-	1			30.35	69	54	51		bc	none	10	
9				"	"	1			30.38	73	53	50		bc rn	cirstr	8	
10				"	"	1			30.41	76	51	48		bc	none	10	
11				"	"	1			30.43	78	50	47		"	"	10	
Mid.				"	"	1			30.43	79	49	46		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday June 3rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant, heavy dew. Light airs from North & West.
D. Mystrom
Ensign U. S. N.

4 to 8 a.m.
Clear & fine. Light airs from W to N.W. Started distilling at 6.
Received in Paymaster Dept - 113¾ lbs of beef, 113¾ lbs vegetables & 6 lbs fresh
W. Ry Mayo Field
Ensign U. S. N.

8 a.m. to Mid.
Clear & pleasant. Barometer steady, light airs & light breeze from West. All - 9.30 mustered at quarters. Absentees over time: E. Edwards (Oiler); J. V. Cronin (Oiler); Nich. Lear (B.M.); J. B. Nolan (Pot); Ed. Tyrrell (OS) At 10.30 Summary Court convened for the trial of A. E. Durand (Boy) adjourned at 11.30
J. T. Mayrhofer
Lieut U. S. N.

Mid to 4 p.m.
Cloudy. Gentle and light breezes from West to S.S.W. Sent liberty party ashore. E. Edwards (Oiler) & J. V. Cronin (Oiler) returned on board 5 hrs overtime.
D. Mystrom
Ensign U. S. N.

4 to 8 p.m.
Cloudy. Barometer rising. Light to gentle breeze from S'd. Lost overboard 6 lb lead.
J. T. Newton
Lieut U. S. N.

8 p.m. to Mid.
Clear & pleasant. Light airs from South.
D. Mystrom
Ensign U. S. N.

Examined and found to be correct.

E. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres. A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by East	SW	2			30.43	70	48	46		b	none	10	
2				"	"	2			30.43	65	47	45		"	"	10	
3				"	"	2			30.41	60	45	43		"	"	10	
4				"	SSW	2			30.40	58	43	42		"	"	10	
5				"	"	2			30.39	58	43	42		b c w	cumc	8	
6				"	"	2			30.38	61	44	42		"	"	8	
7				"	South	2			30.38	77	44	42		bc	cum str.	4	
8				"	"	2			30.42	77	45	43		"	circumc	7	
9				"	S by E	2			30.42	70	46	44		"	"	7	
10				"	"	1			30.40	66	49	46		"	"	8	
11				"	ESE	2			30.40	64	51	47		"	"	8	
Noon.				"	"	2			30.39	65	51	47		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water Distilled during the preceding 24 hours, 1835 "

Water remaining on hand fit for use at Noon, 2950 "

Coal consumed during the preceding 24 hours, 1 tons 860 lbs.

Coal remaining on hand at Noon, 132 " 670 "

P. M.												
1		S by E	ENE	1	30.41	78	53	49	bc	cir, str	6	
2		"	"	1	30.41	74	53	51	"	"	6	
3		"	"	1	30.37	75	53	51	"	"	6	
4		"	"	1	30.36	73	53	51	"	"	5	
5		"	ESE	2	30.34	71	53	51	"	cum str	6	
6		"	East	2	30.33	76	54	50	"	circum	8	
7		"	ENE	3	30.33	77	54	50	"	"	9	
8		"	"	2	30.33	76	53	50	"	"	9	
9		"	"	2	30.32	76	52	49	"	"	9	
10		"	NE	3	30.31	73	53	51	"	cir cumb	5	
11		"	"	3	30.28	72	54	51	"	"	1	
Mid.		"	"	4	30.28	73	54	51	bc	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday June 4th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & cool. Light breze from SW.

Geo. F. Holman
Lieut. U. S. N.

4 to 8 am.
Clear & pleasant. Barometer steady. Light breze from S'd. Reed in Pay Dept. 93 lbs fresh bread.

J. T. Newton
Lieut. U. S. N.

8 am to Mid.
Clear & pleasant. Light airs and breze from SbyE & ESE. Mustered at quarters at 9.30 and found the following men to be absent without leave: J. B. Nolan (Pvt); Ed. Tyrell (OS); H. Lear (BM); Ed. McKinney (Painter) Stopped distilling. Made routine signals at 9.40. The Comdg. Officer adjudges the following punishments, viz: J. A. Callan (S. Appd) Absent from his station 2 extra watches (anchor); D. Milliken (Hold) 72 hrs over leave — red to 4th class, 3 months and ¾ M. money; J. M. Cunningham (Crptr) 24 hrs over leave — red to 3rd class, 1½ months; J. Sliney (Sea) Tight from liberty — red to 2nd class, 1 month; P. Bulco (Sea) 1 hour 10 Min over leave & 1 week guarantine. J. D. Crowin (Oiler) & E. Edwards (Oiler) 55 hrs over leave — each reduced to 4th class, 3 months & ¾ M. money. G. H. Carman (Pvt) Clothes adrift on berth deck — 4 hours extra duty. H. A. Jones (Pvt) Asleep on post — Under sentry's charge to await trial by General Court-Martial.

D. McStone
Ensign U. S. N.

Mid to 4 pm.
Clear & pleasant. Light airs from ENE. Sent a liberty party ashore

Geo. F. Holman
Lieut. U. S. N.

4 to 8 pm.
Clear & pleasant most of watch. Light and gentle breezes from ESE to ENE.

D. McStone
Ensign U. S. N.

8 pm to Midnight.
Clouding over. Light to moderate breze from ENE & NE.

Geo. F. Holman
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NNE	3	"		30.25	70	53	51		b c m	cir cum	2	
2				"	"	2			30.22	67	54	51		"	"	4	
3				"	"	2			30.18	67	54	51		"	"	3	
4				"	"	2			30.16	67	54	51		"	"	4	
5				"	"	3			30.16	63	53	52		"	"	8	
6				"	"	3			30.16	66	53	52		"	"	8	
7				"	"	3			30.16	65	56	53		"	"	4	
8				"	"	3			30.16	66	56	53		"	cir cum str	4	
9				"	"	3			30.15	71	55	53		b c	"	4	
10				"	"	3			30.15	73	57	54		"	"	4	
11				"	N by W	3			30.15	77	59	56		"	"	3	
Noon.				"	NNW	2			30.14	73	60	57		"	"	3	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 445 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2505 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 131 " 1510 "

P. M.										
1	S by E	NW	2	30.11	67	60	57	o c	rainb	0
2	"	North	2	30.07	67	59	56	"	"	0
3	"	"	1	30.07	78	60	57	"	"	0
4	"	NNW	1	30.07	80	61	58	"	cir rainb	0
5	"	"	1	30.07	76	61	58	"	"	0
6	"	"	1	30.07	73	62	59	"	"	0
7	"	"	1	30.07	74	61	58	"	"	0
8	"	"	1	30.06	73	61	58	"	"	0
9	"	North	1	30.07	75	60	57	b c	"	9
10	"	"	1	30.07	74	59	56	b c l	"	9
11	"	"	1	30.07	73	58	56	"	"	9
Mid.	"	NW	1	30.07	69	57	55	"	rainb	4

under the command of Commander A. S. Snow, U. S. Navy,

Friday June 5th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Cloudy. Light and gentle breges from NNE. J. A. Callan (Sea Appr.) stood midwatch by order of Comdg. Officer.

D. Mullone
Ensign U.S.N.

4 to 8 a.m.

Clear first part, part partly cloudy latter part. Gentle breges from NNE. Rec'd 112½ lbs fresh beef, 112½ lbs vegetables and 92 lbs bread in Bay Depot.

[illegible]
Lieut. U.S.N.

8 a.m to Merid

Cloudy and raw. Gentle to light breze from NNE to NNW. Mich. Lear (BM) and Private J. B. Nolan returned, absgd. Private J. B. Nolan, being drunk, was put under sentry's charge for safe Keeping. At 9.30 mustered at quarters absentees: Ed. Tyrrell (OS); Ed. McNierney (Painter) and J. Falvey (Cl). Gave oral divisional instruction. At 9.45 made routine signals. At 11.30 called all hands to muster and rcgd findings and sentence of Summary Court Martial in the cases of T. J. Flaherty (Sdo) charged with being drunk on board ship and A. E. Durand (Boy), charged with absenting himself from the ship without permission and remaining absent about three hours. Each was found guilty and Thos. J. Flaherty (Sdo) was sentenced by S. C. M. to the following punishments: To be reduced to the next inferior rating that of boy, to loss of two (2) months pay amounting to twenty dollars $20.00/100 and extra police duties for one month. A. E. Durand (Boy) was sentenced to the following punishments: Solitary confinement in single irons on bread and water for thirty (30) days with full ration every fifth (5th) day, to loss of two (2) months pay amounting to twenty dollars $20.00/100 and extra police duties for two (2) months. Thos. J. Flaherty (Boy) was released from confinement and restored to duty. A. E. Durand (Boy) was put in the brig in single irons in accordance with the sentence. T. Riggan (OS) was put outside the brig in single irons under sentry's charge to make room for Durand.

Geo. W. Holman
Lieut. U.S.N.

Merid to 4 p.m

Cloudy with two or three light spits of drizzling rain. Light breze to light airs from North to NW. Ed. Tyrrell (OS) returned on board drunk, duty and 53 hrs over time. Rec'd 6 drums colza oil.

[illegible]
Lieut U.S.N.

4 p.m to 8 p.m.

Overcast. Light airs from N by W.

Geo. W. Holman
Lieut. U.S.N.

8 p.m to Mid.

Clear first part, partly cloudy last hour. Light airs from North & NW.

[illegible]
Lieut. U.S.N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	NW.	1			30.05	66	53	54		bc	cir cumb	2	
2				"	West	1			30.07	68	54	53		"	"	2	
3				"	"	1			30.06	68	54	53		oc	"	0	
4				"	"	1			30.06	67	54	53		"	"	0	
5				"	WSW	1			30.06	63	54	53		"	"	0	
6				"	"	1			30.07	64	54	53		"	cum cumb	0	
7				"	SW	1			30.09	61	53	53		"	"	0	
8				"	"	1			30.10	63	54	53		bc	"	0	
9				"	SSE	1			30.16	74	56	54		oc	cir cum	0	
10				"	"	1			30.18	69	57	56		bc	"	2	
11				"	"	1			30.18	66	57	53		"	"	4	
Noon.				"	SE	1			30.17	60	57	54		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2113 "

Coal consumed during the preceding 24 hours, tons 1100 lbs.

Coal remaining on hand at Noon, 131 " 410 "

P. M.												
1			Sby E.	SSE	3	30.15	70	57	54	bc	cir cum str.	6
2			"	SE	3	30.16	73	57	53	"	cir cum	6
3			"	"	4	30.16	74	57	53	"	"	6
4			"	"	4	30.17	76	58	53	"	"	1
5			"	"	4	30.18	76	54	52	"	"	1
6			"	"	4	30.20	76	53	52	oc	cumb	0
7			"	"	3	30.21	75	52	50	"	cum cumb	0
8			"	"	3	30.22	76	52	50	"	"	0
9			"	"	4	30.25	77	51	49	"	"	0
10			"	"	4	30.25	74	51	49	"	"	0
11			"	"	4	30.25	70	51	49	"	"	0
Mid.			"	SE by S	4	30.25	67	51	49	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, June 6th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Cloudy, light airs from NW and West.
W. Ry Mason Jr
Ensign U.S.N.

4 to 8 am.
Overcast and hazy. Light airs from WSW to SW.
Geo W Holman
Lieut U.S.N.

8 am to Merid
Partly cloudy pleasant weather. Light airs from SSE to SE. J. J. Falory (OS) & Ed. McKinney (Painter) absent without leave. The Comdg. Officer adjudged the following punishments: J. B. Nolan (Pot) 48 hrs overtime 5th ped. to 4th class; 3 months; to forfeit money & 48 hrs extra duty. Nicky Lear (BM) 9 hrs overleave — ped to 4th class; 3 months to forfeit money. Ed. Tyrrell (OS) 53 hrs overtime drunk & duty — ped to 4th class 3 months, to forfeit money J. B. Lord (Pot) 1 hour overtime — 1 week quarantine.
[illegible]
Lieut U.S.N.

Merid to 4 pm.
Partly cloudy, gentle to moderate breeze from SSE to SE.
W. Ry Mason Jr
Ensign U.S.N.

4 to 8 pm.
Cloudy & threatening last two hours. Moderate to gentle breeze from SE. Ed. McKinney (Painter) came on board accompanied by C.F.P. Wichert (Ships Writer) & was placed under sentry's charge by Order of Comdg. Officer.
[illegible]
Lieut U.S.N.

8 pm to Mid.
Overcast, moderate breeze from SE.
W. Ry Mason Jr
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S E by S	4			30.25	67	50	48		o c.	nimb	0	
2				"	"	4			30.25	68	50	48		"	"	0	
3				"	"	4			30.26	68	51	48		"	"	0	
4				"	"	3			30.26	68	51	48		"	"	0	
5				"	S E	3			30.28	67	49	48		"	"	0	
6				"	"	3			30.25	68	49	48		"	"	0	
7				"	"	4			30.26	68	50	49		b c	"	1	
8				"	East	5			30.27	64	52	50		"	cum nimb	1	
9				"	"	5			30.29	72	52	50		o c	"	0	
10				"	"	5			30.31	77	52	50		"	"	0	
11				"	"	5			30.32	79	52	51		"	"	0	
Noon.				"	"	5			30.32	76	53	51		"	"	0	
P. M.																	
1				S by E	East	5			30.28	70	54	51		o c	cum nimb	0	
2				"	"	5			30.25	67	54	51		"	"	0	
3				"	"	5			30.26	67	54	52		"	"	0	
4				"	"	5			30.25	71	54	52		"	"	0	
5				"	"	5			30.26	74	54	52		"	"	0	
6				"	"	5			30.27	77	54	52		"	"	0	
7				"	"	6			30.28	77	55	53		"	"	0	
8				"	"	6			30.28	77	56	53		"	"	0	
9				"	E S E	6			30.28	77	56	53		"	"	0	
10				"	"	7			30.28	77	55	53		"	"	0	
11				"	"	7			30.28	76	56	53		"	"	0	
Mid.				"	"	6			30.28	75	56	53		b c	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1755 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 130 " 1250 "

under the command of Comdr A. S. Snow, U. S. Navy,

Sunday, June 7th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast, moderate to gentle breeze from SE by S. Bar. steady.
J. T. Newton
Lieut U.S.N.

4 to 8 a.m.
Cloudy. Gentle breeze from SE. first part freshening latter part. Rec'd 117½ lbs beef, 117½ lbs vegetables & 94 lbs bread in Pay Dept. At 8 dressed ship, painbow, Italian flag at the main.
[illegible]
Lieut U.S.N.

8 a.m. to Merid.
Overcast & cloudy. Stiff breeze from East. Mustered at quarters. Read the articles for the Better Government of the Navy and held General Muster. J. J. Falvey (CH) absent without leave.
W. Ray Mason Field.
Ensign U.S.N.

Merid to 4 p.m.
Overcast, fresh breeze from East. Barometer falling. Hds decline service.
J. Wanton
Lieut U.S.N.

4 to 8 p.m.
Overcast & cloudy, stiff to fresh breeze from East.
W. Ray Mason Field.
Ensign U.S.N.

8 p.m. to Mid.
Overcast, barometer steady. Strong to fresh breeze from ESE.
J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

[illegible]
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	E by S	5-6			30.28	74	53	52		bcmq	cumstr	4	
2				"	"	5-6			30.28	74	54	52		bcmq	"	"	
3				"	"	5-6			30.26	74	54	52		"	"	"	
4				"	"	5-6			30.25	74	53	53		"	"	"	
5				"	"	5-6			30.23	75	54	52		"	"	4	
6				"	ESE	5			30.23	76	53	53		"	"	"	
7				"	"	5			30.22	73	53	54		bcp	"	"	
8				"	SE	3			30.21	71	55	54		"	"	"	
9				"	"	3			30.20	71	55	54		"	"	"	
10				"	"	4			30.19	70	55	54		"	"	"	
11				"	"	4			30.18	74	55	54		"	"	"	
Noon.				"	ESE	5			30.17	74	56	55		"	"	"	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 460 gallons.

Water during the preceding 24 hours, 200 "

Water remaining on hand fit for use at Noon, 1505 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 130 " 50 "

P. M.									
1	S by E	ESE	4	30.14	75	55	55	bcp	zimb	0
2	"	"	4	30.08	69	56	55	"	"	0
3	"	"	4	30.06	70	56	55	"	"	0
4	"	"	4	30.05	70	57	56	"	"	0
5	"	"	4-7	30.03	73	57	57	bcgp	"	0
6	"	"	4-7	30.01	75	57	57	"	"	0
7	"	"	4-7	30.00	76	57	56	"	"	0
8	"	"	4-7	29.99	76	57	56	"	"	0
9	"	"	4-6	29.94	76	57	56	"	"	0
10	"	East	4-5	29.94	75	57	56	bcd	"	0
11	"	"	4	29.93	74	57	56	"	"	0
Mid.	"	"	3	29.91	74	57	57	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Monday June 8th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Overcast & cloudy most of watch. Fresh to very fresh breezes from E by S. blowing in squalls.

Q. Dickerson
Ensign U. S. N.

4 to 8 am.
Overcast fresh to gentle breeze from E by S to SE. Scrubbed clothes.

W. Ray Mears Jr.
Ensign U. S. N.

8 am to Mid.
Overcast & raining steadily and blowing entire watch. Gentle to moderate breeze from SE. Placed Ed. McKinney (Painter) under arrest to await trial by Summary Court Martial. Absentees over time Geo. Bradford (CH) M. Driscoll (CH) J. J. Falvey (CH) H. Heidemann (Sea). Commenced distilling. Received in Pay Dept 118½ lbs beef 118¾ lbs vegetables & 95 lbs bread. Rec'd 100 gals olive oil in Equipt Dept for illuminating purposes.

J. T. Newton
Lieut U. S. N.

Mid to 4 pm.
Overcast cloudy & raining. Moderate breeze from SSE. H. Heidemann (Sea) returned on board 7 hrs overtime. D. F. Linnehan (S. book) left ship on duty and failed to return. Rated K. Limberg (Ord.) as Ships cook from date and directed D. F. Linnehan (S. book) to (CH) from date Distilling.

Q. Ulrstrom
Ensign U. S. N.

4 to 8 pm.
Overcast raining. Barometer falling. Moderate to strong winds from ESE.

J. T. Newton
Lieut U. S. N.

8 pm to Mid.
Overcast cloudy & raining. Moderate to fresh breezes from ESE & East. Distilling.

Q. Ulrstrom
Ensign U. S. N.

Examined and found to be correct.

G. K. Lewis
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	East	3			29.88	69	58	58		o c p	nimb	0	
2				"	"	2			29.86	70	59	58		"	"	0	
3				"	"	2			29.84	70	59	58		"	"	0	
4				"	"	2			29.82	70	60	59		"	"	0	
5				"	"	3			29.80	70	60	59		"	"	0	
6				"	"	3			29.79	72	60	59		o c d	"	0	
7				"	N E	2			29.78	69	61	60		"	"	0	
8				"	"	1			29.78	67	61	60		o c d m	"	0	
9				"	"	1			29.79	77	64	62		"	"	0	
10				"	North-	1			29.79	73	64	61		"	"	0	
11				"	N.W.	1			29.76	64	62	59		"	"	0	
Noon.				"	"	1			29.76	64	63	60		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water Distilled during the preceding 24 hours, 1495 "

Water remaining on hand fit for use at Noon, 3000 "

Coal consumed during the preceding 24 hours, 1 tons 660 lbs.

Coal remaining on hand at Noon, 128 " 1630 "

P. M.									
1	Sby E	W	2	29.76	68	64	60	o c m	nimb 0
2	"	W N W	2	29.71	69	62	58	"	" 0
3	"	West-	2	29.71	70	60	58	"	" 0
4	"	"	2	29.69	69	59	56	b c	" 5
5	"	"	2	29.68	70	57	56	"	" 5
6	"	W	2	29.68	68	58	56	o c	" 0
7	"	"	2	29.68	69	59	57	o c d	" 0
8	"	W N W	2	29.68	65	60	58	"	" 0
9	"	West-	3	29.69	64	60	58	o c m	cum nimb 0
10	"	"	3	29.70	70	59	57	b c m d	" 6
11	"	W S W	3	29.73	70	58	56	"	" 6
Mid.	"	"	2-4	29.75	70	57	56	o c m g	" 0

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, June 9th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast & paing. Gentle to light breeze from East. Distilling
Geo. F. Wilson
Lieut. U.S.N.

4 to 8 a.m.
Overcast paining or drizzling entire watch. Gentle breeze to light airs from NE and East. Received in Pay Dept 91 lbs fresh bread.
F. T. Newton
Lieut U.S.N.

8 am to Mid
Overcast cloudy & misty. Light airs from NE to NW. At 9.30 mustered at quarters and found J. J. Falvey (CS), M. Driscoll (CS), Geo. Bradford (CS) D. F. Linehan (CS) Force absent without leave. Enlisted Joseph Harold Mills as Landsman for cruise of Essex.
C. L. Alston
Ensign U.S.N.

Mid to 4 p.m.
Overcast first part with light mist. Clearing last hour. At 12.20 stopped distilling. Jas. Reece (Ld) getting drunk, was put under sentry's charge until sober.
Geo. F. Wilson
Lieut U.S.N.

4 to 8 p.m.
Cloudy & overcast, light drizzling rain last part. Light breeze from West to WNW, released Jas. Reece (Ld) from sentry's charge.
C. L. Alston
Ensign U.S.N.

8 p.m to Mid.
Generally cloudy & misty first. Gentle to moderate breeze from West to WSW.
Geo. F. Wilson
Lieut. U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West	3			29.76	68	57	53		bc	nimb	6	
2				"	"	3			29.77	66	57	53		o c d	"	6	
3				"	"	3			29.79	60	56	53		"	"	6	
4				"	"	3			29.78	58	56	53		bc	"	6	
5				"	W by W	2			29.78	58	53	53		o c m	"	0	
6				"	West	2			29.79	57	54	52		o c	"	0	
7				"	"	2			29.86	62	54	53		o c	"	0	
8				"	"	2			29.88	62	58	53		"	"	0	
9				"	"	2			29.88	67	54	53		o c m	"	0	
10				"	"	1			29.90	72	57	53		"	"	0	
11				"	"	1			29.92	71	59	57		"	"	0	
Noon.				"	NW	1			29.92	71	60	57		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2655 "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 128 " 30 "

P. M.									
1		S by E	NW	2	29.91	76 60 57	o c m	cum nimb	0
2		"	"	2	29.90	72 61 58	"	"	0
3		"	"	2	29.90	72 60 57	"	"	0
4		"	"	2	29.91	75 60 57	o c	"	0
5		"	North-	2	29.90	79 60 57	"	"	0
6		"	NW by W	2	29.92	81 61 57	bc	nimb	3
7		"	NW	2	29.93	85 59 56	b	nonc	10
8		"	"	2	29.94	83 59 56	"	"	10
9		"	"	2	29.96	79 59 56	"	"	10
10		"	"	2	29.94	76 58 56	"	"	10
11		"	"	2	29.94	75 58 55	bc	cir nimb	8
Mid.		"	"	2	29.96	71 57 55	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday, June 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Partly cloudy with occasional perior drizzly rain. Gentle breeze from West.

Lieut U.S.N.

4 to 8 am.
Overcast cloudy & foggy. Light breeze from WSW & West. Rec'd in Pay Dept 115 lbs fresh beef & vegetables and 92 lbs bread.

Ensign U.S.N.

8 am to Meid
Overcast misty & rain. Light breeze to light airs from West to NW. At 9.30 mustered at quarters. Absentees: J. J. Falvey (C.H.), M. Driscoll (C.H.), Geo. Bradford (C.H.), D. F. Linnehan (C.H.), B. Corrigan (Cox) and J. L. Spear (C.F.C.) At 10.10 Summary Court-Martial, Lieut C. K. Curtis, Senior Officer, met and adjourned at 10.50

Lieut U.S.N.

Meid to 4 pm
Cloudy & misty. Light breeze from NW. B. Corrigan (Cox), Geo. Bradford (C.H.) & M. Driscoll (C.H.) returned on board over leave.

Lieut U.S.N.

4 to 8 pm
Clearing. Gentle breeze from North to NNE. J. J. Falvey (C.H.) and J. L. Spear (C.F.C.) returned on board overtime. D. F. Linnehan (C.H.) returned aboard from absence without leave and was put under charge of sentry.

Lieut U.S.N.

8 pm to Mid.
Clear & pleasant. Bright starlight. Light breeze from NE.

Lieut U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				E by S	NE	2			29.94	70	57	55		b m	mose	10	
1				"	NNE	3			29.94	70	57	53		o c m	cum nimb	0	
2				"	"	2			29.94	69	57	55		"	"	0	
3				"	"	2			29.93	69	57	56		"	"	0	
4				"	NE	2			29.91	69	56	55		"	nimb	0	
5				"	"	2			29.90	69	57	56		"	"	0	
6				"	"	2			29.91	67	58	57		o c	nimb str	0	
7				"	"	2			29.91	65	58	57		"	"	0	
8				"	"	2			29.93	72	59	58		"	nimb	0	
9				"	ENE	3			29.93	74	61	59		o c m	"	0	
10				"	"	3			29.93	76	61	59		"	"	0	
11				"	NE	2			29.96	75	62	60		"	"	0	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2280 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 127 " 970 "

P. M.										
1	S by E	North-	1	29.95	76	63	61	o c m.	nimb	0
2	"	"	1	29.94	76	64	62	"	"	0
3	"	"	1	29.92	75	62	60	"	"	0
4	"	"	1	29.92	75	61	60	"	"	0
5	"	SE	1	29.94	77	62	60	"	"	0
6	"	"	1	29.94	79	63	61	"	"	0
7	"	"	1	29.96	80	63	61	o c	"	0
8	"	SSE	1	29.97	81	64	61	b c	"	2
9	"	SE	1	29.98	78	63	61	"	"	9
10	"	"	1	29.98	81	62	60	"	"	8
11	"	South-	2	29.98	79	61	59	o c m	"	0
Mid.	"	"	2	29.99	76	60	58	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Thursday June 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear, then overcast, light to gentle breeze from NE to NNE

W. Ray Mason Jr.
Ensign U.S.N.

4 to 8 a.m.
Overcast: Light breeze from NE.

Geo. Sullivan
Lieut U.S.N.

8 a.m to Mrid.
Cloudy & foggy latter part: Light to gentle breeze from NE to ENE. At 9.30 mustered at quarters & had divisional exercise. Comdg Officer paid an official visit to the Italian gunboat.
At 11.30 called all hands to muster & read proceeding, finding & sentence in the case of Ed. McKiernan (Painter) tried by Summary Court Martial for absence without leave. Sentenced to be reduced to next inferior rating that of Lds, and to loss of three (3) months pay amounting to forty eight (48) dollars & three (3) months extra police duty. The Austrian Training Ship "Saida" came in and moored in No 2 dock.

Lieut U.S.N.

Mrid to 4 p.m.
Overcast & cloudy, light airs from North.

W. Ray Mason Jr.
Ensign U.S.N.

4 to 8 p.m.
Cloudy & misty with a few stars in sight last hour.

Lieut U.S.N.

8 p.m to Mid.
Partly cloudy then overcast: Light breeze to light airs from SE by S.

W. Ray Mason Jr.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lamson
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	East	2			29.98	73	59	58		bcm	cirrumb	5	
2				"	WSW	1			29.99	74	60	59		"	"	2	
3				"	SW	2			29.99	69	61	60		ocwl	numb	0	
4				"	"	1			29.99	68	60	59		ocf	"	0	
5				"	"	2			29.98	66	58	57		bcm	cumc	8	
6				"	"	2			29.99	65	58	57		ocm	"	0	
7				"	"	2			29.99	65	58	57		"	"	0	
8				"	"	2			30.02	65	57	56		"	numb	0	
9				"	SSE	1			30.05	72	57	56		"	"	0	
10				"	"	1			30.08	72	59	57		"	"	0	
11				"	"	2			30.09	71	60	58		"	"	0	
Noon.				"	"	2			30.08	72	60	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 330 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1950 "

Coal consumed during the preceding 24 hours, tons 1100 lbs.

Coal remaining on hand at Noon, 126 " 2110 "

P. M.													
1		SbyE	SE	3	30.07	76	60	58	ocm	numb	0		
2		"	ESE	3	30.05	75	60	58	"	"	0		
3		"	"	3	30.03	69	59	58	"	"	0		
4		"	"	3	30.03	67	59	58	"	"	0		
5		"	"	3	30.03	67	59	57	oc	"	0		
6		"	"	1	30.06	76	59	57	"	"	0		
7		"	"	1	30.09	75	59	57	"	"	0		
8		"	"	1	30.09	75	60	58	"	"	0		
9		"	"	1	30.08	75	59	57	ocm	"	0		
10		"	"	2	30.08	73	58	57	"	"	0		
11		"	"	2-4	30.07	71	57	56	ocm qr	"	0		
Mid.		"	SE	2-4	30.07	70	56	54	"	"	0		

under the command of Commander A. S. Snow, U. S. Navy,

Friday, June 12th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy, misty, foggy. Barometer steady. Wind light & variable.

J. J. Newton
Lieut U. S. N.

4 to 8 a.m.
Cloudy damp & misty. Light breeze from S.W. Rec'd 120 lbs beef 120 lbs vegetables & 96 lbs bread in Pay Dept.

[illegible]
Lieut U. S. N.

8 a.m to Merid.
Overcast & misty, light airs from SSE. Mustered at quarters J. O. Brockenbower (DS) absent without leave. The S. C. M. convened at 10.00 and adjourned at 11.20 for the trial of D. F. Linneham (c.h.) The Comdg. Officer of the Italian Corvette Sebastiano Veruino called officially.

W. Ray Mason Fuld.
Ensign U. S. N.

Merid to 4 p.m.
Overcast, gentle breeze from SE and ESE. Barometer falling.

J. J. Newton
Lieut. U. S. N.

4 to 8 p.m
Overcast & cloudy, gentle breeze to light airs from ESE.

W. Ray Mason Fuld.
Ensign U. S. N.

8 p.m to Mid.
Overcast, barometer steady light air to moderate breeze from ESE.

J. J. Newton
Lieut U. S. N.

Examined and found to be correct.

M. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres; A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SE	3			30.05	68	55	54		0 cm	Nimb	0	
2				"	"	2			30.06	69	58	54		"	"	0	
3				"	SSE	2			30.06	68	56	55		"	"	0	
4				"	SbyE	2			30.06	67	55	54		"	"	0	
5				"	SSE	1			30.05	67	55	54		be cm	"	4	
6				"	"	1			30.04	63	55	54		"	"	6	
7				"	"	1			30.02	63	55	54		"	"	6	
8				"	"	2			30.02	63	57	55		"	"	6	
9				"	"	1			30.04	68	58	56		0 cm	"	0	
10				"	"	2			30.05	69	59	57		"	"	0	
11				"	"	1			30.04	69	58	57		"	"	0	
Noon.				"	"	1			30.02	66	58	56		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1570 "

Coal consumed during the preceding 24 hours, tons ~~330~~ lbs.

Coal remaining on hand at Noon, 126 " 810 "

P. M.												
1	SbyE	SSE	1	30.00	66	61	59	0 cm	Cirrh	0	
2	"	"	1	29.96	65	61	59	"	"	0	
3	"	"	1	29.94	65	62	60	"	"	0	
4	"	"	1	29.94	65	61	60	"	"	0	
5	"	SE	2	29.94	64	63	61	"	"	0	
6	"	"	2	29.94	68	64	62	be	"	4	
7	"	"	2	29.94	67	64	62	0 cm	"	0	
8	"	ESE	2	29.94	68	62	60	"	"	0	
9	"	"	1	29.95	68	62	60	0 c	"	0	
10	"	"	1	29.94	69	62	60	"	"	0	
11	"	Calm	0	29.95	70	61	59	"	"	0	
Mid.	"	SW	1	29.95	69	61	59		"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday June 13th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast & misty. Light and gentle breze from SE to S SE.
Custons
Ensign U.S.N.

4 to 8 AM.
Partly cloudy, light airs & light breze from SSE.
W. Ray Magan Jr.
Ensign U.S.N.

8 AM to Mid.
Overcast, misty, barometer steady. Light airs from SSE
Absent without leave J. O. Brockenbower (OS) and O. Robinson (C.S.M.)
J Newton
Lieut. U.S.N.

Mid to 4 PM.
Cloudy & misty most of watch. Light airs from SSE
J. O. Brockenbower (OS) returned 36 hrs over time.
Custons
Ensign U.S.N.

4 to 8 PM.
Overcast, barometer steady light breze from SE and ESE.
J Newton
Lieut U.S.N.

8 PM to Mid.
Overcast & cloudy. Calm & light airs from ESE & SW.
Custons
Ensign U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S E	1			29.94	69	57	53		0 c m	cum rimb	0	
2				"	"	1			29.95	67	59	57		"	"	0	
3				"	"	1			29.94	66	58	57		"	"	0	
4				"	S W	1			29.94	66	58	57		"	"	0	
5				"	"	1			29.93	62	59	57		f c m	"	2	
6				"	"	2			29.93	61	58	57		c m	"	0	
7				"	"	3			29.93	59	57	56		"	"	0	
8				"	"	3			29.94	56	57	56		"	"	0	
9				"	"	3			29.97	60	57	56		"	"	0	
10				"	"	3			30.00	76	58	56		"	"	0	
11				"	"	3			30.01	74	56	55		"	"	0	
Noon.				"	"	3			30.00	69	56	54		b c	rimb	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3148 gallons.

Water Distilled during the preceding 24 hours, 1413 "

Water remaining on hand fit for use at Noon, 2640 "

Coal consumed during the preceding 24 hours, 1 tons 760 lbs.

Coal remaining on hand at Noon, 125 " 50 "

P. M.								
1	S by E	S W	3	29.99	72 57	55	b c	cir cum 5
2	"	"	3	29.99	73 58	55	"	" 6
3	"	"	3	30.00	72 58	56	"	" 5
4	"	W S W	2	30.00	72 57	55	"	cir rimb 5
5	"	"	1	30.00	78 58	56	"	"
6	"	"	1	30.03	79 61	58	"	"
7	"	"	1	30.05	81 61	58	"	"
8	"	"	1	30.07	84 61	59	"	"
9	"	West-	3	30.11	83 60	57	o c	rimb 0
10	"	W N W	2	30.11	80 57	56	"	" 6
11	"	"	2	30.12	78 58	56	b c	" 6
Mid.	"	"	2	30.12	76 57	55	b.	rain 10

under the command of Commander C. S. Snow, U. S. Navy,

Sunday, June 14th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast until 4 AM. Misty. Light airs from SE. shifting to SW.
at 3.00

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 AM.
Overcast; barometer steady. Light airs to gentle breeze from SW.

J. Rhoades
Lieut. U. S. N.

8 AM to Merid.
Overcast & cloudy most of watch. Gentle breeze from SW. At 9.30 inspected crew at quarters. O. Robinson (C. Gr. M.) was absent without leave. At 10.00 called all hands to muster & published Court Martial finding in the case of F. D. Linnehan (Ord.) charged with absenting himself from ship without leave. The Court found his plea in bar of trial valid and by Order of Comdg. Officer he was released from sentence, charge & restored to duty.
Distilling.

D. W. Stone
Ensign U. S. N.

Merid to 4 PM.
Fair. Gentle breeze from SW. Sent a liberty party ashore.

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 PM.
Cloudy. Light airs from W.S.W. Distilling.

D. W. Stone
Ensign U. S. N.

8 PM to Mid.
Clearing. Gentle to light breeze from West & N.W.

Geo. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

G. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E.	W N W	2			30.11	76	53	53		b	none	10	
2				"	West	1			30.11	71	54	52		"	"	10	
3				"	"	2			30.11	69	54	52		"	"	10	
4				"	"	2			30.11	67	53	51		"	"	10	
5				"	"	2			30.10	60	51	50		"	"	10	
6				"	"	2			30.11	63	50	49		"	"	10	
7				"	"	2			30.11	63	50	49		"	"	10	
8				"	"	2			30.11	63	50	49		b m.	"	10	
9				"	N W	2			30.13	71	53	52		b f.	cir cumu	2	
10				"	"	2			30.16	73	57	53		o. f.	"	0	
11				"	"	2			30.16	76	58	56		f. f.	"	0	
Noon.				"	"	2			30.16	78	59	57		b c m.	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2280 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 124 " 1090 "

P. M.										
1		S by E	North-West	2	30.15	79	61	59	b c m	circumu 3
2		"	N W	2	30.15	82	63	60	b c	" 6
3		"	"	2	30.13	76	63	60	"	" 9
4		"	"	2	30.11	73	63	60	"	" 9
5		"	North-	1	30.10	73	62	59	"	" 9
6		"	"	1	30.09	72	63	60	"	" 9
7		"	"	1	30.08	72	61	59	b.	none 10
8		"	"	1	30.08	71	61	59	"	" 10
9		"	"	3	30.07	70	61	58	b c m	cumu 8
10		"	"	3	30.07	69	60	58	"	circumu. 8
11		"	N W	4	30.08	73	61	59	"	" 4
Mid.		"	"	4	30.08	74	61	59	"	" 2

under the command of Commander A. S. Snow, U. S. Navy,

Monday June 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.

Clear, bright - starlight -. Light - breeze & light airs - from W.N.W & West.

Lieut - U. S. N.

4 to 8 a.m.

Clear & pleasant. Light - breezes - from West - Received in Pay Depot - 117½ lbs fresh beef & vegtables & 94 lbs. bread.

Ensign U. S. N.

8 a.m to Midd.

Generally foggy. Light - breeze from N.N.W. Tallapoosa shifted her berth securing alongside Pier: At 9.30 mustered at quarters: absent - Oliver Robinson (C. Gr. M.) drilled the divisions according to routine. The Comdg. Officer adjudged the following punishments: J. H. Spear (L.F.B) 4 hrs. over time, - two weeks quarantine; B. Corrigan (Cox) 7 hrs. over time - two weeks quarantine. C. Brockenbower (OS) 30 hrs overtime - reduced to 2nd class, 1 month; D. Parker (Ldsm) using insolent and vulgar language to sentry on brig - 4 Mid. watches.

Geo. W. Coleman
Lieut. U. S. N.

Midd to 4 p.m.

Clear & pleasant: Light - breeze from North & N.E.

Lieut - U. S. N.

4 to 8 p.m.

Clear & pleasant. Light - airs from North: Oliver Robinson (C. Gr. M.) was brought on board from the Police Station, a fine of $20.00 & ½ having been paid for him.

Geo. W. Coleman
Lieut. U. S. N.

8 p.m to Mid.

Clear first part, partly - cloudy latter part: Steele to moderate breeze from North to W.N.W.

Lieut - U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NW	3			30.06	73	61	58		bc	nimb	6	
2				"	"	4			30.05	73	61	58		"	"	6	
3				"	"	4			30.05	73	60	58		"	circum nimb	6	
4				"	"	4			30.05	73	60	58		"	circum	9	
5				"	"	3			30.04	73	59	57		bc ac	"	8	
6				"	"	3			30.04	73	59	57		bc	"	9	
7				"	"	3			30.04	78	59	57		"	"	9	
8				"	"	3			30.02	67	59	57		"	"	9	
9				"	North	2			30.02	72	60	59		"	"	9	
10				"	"	2			30.02	70	61	59		"	"	8	
11				"	NW	2			30.02	73	63	61		"	"	9	
Noon.				"	"	2			30.01	70	63	61		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1920 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 123 " 1930 "

P. M.												
1		S by E	North	1	30.01	75	65	62	bc	circum	2	
2		"	"	1	29.99	75	65	62	"	"	4	
3		"	"	1	29.99	74	64	61	"	"	4	
4		"	"	1	29.98	72	62	60	"	"	6	
5		"	S E	2	29.98	72	62	60	"	"	6	
6		"	"	2	29.98	74	61	59	"	"	6	
7		"	"	2	29.98	76	61	59	"	nimb	4	
8		"	"	2	30.00	76	61	59	bc	"	0	
9		"	"	2	30.00	76	58	57	"	"	0	
10		"	"	2	29.99	78	59	57	"	"	0	
11		"	"	2	30.00	78	57	56	bc	"	2	
Mid.		"	S S E	2	30.00	78	57	56	"	circum	7	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday June 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Fair and pleasant; gentle to moderate breeze from W.N.W.

W. Ray Mastn. Field.
Ensign U.S.N.

4 to 8 a.m.
Clear & pleasant. Heavy dew first hour. Gentle breeze from W.N.W.

Dwight H. Holman
Lieut. U.S.N.

8 a.m. to Mercd.
Clear & pleasant: Light breeze from North to W.N.W. At 9.30 p.m. sprcd at quarters, had fire quarter & mustered crew at stations for "abandon ship". 1st steam 0 hr 55 mns. 2nd steam 1 hr 20 m. 3rd steam 1 hr 40 mns; 4th steam 1 hr 58 mns. Absentees: Jno Dwyer (Cpl) & P. Hand (P.T.)

[illegible]
Lieut. U.S.N.

Mercd to 4 a.m.
Partly cloudy, light airs from North. Recd on board in Equipt Depot 1/2 cord fire wood, 100 lbs gum shellac, 3 lbs spun yarn, 150 lbs white fire, 1 carpenters Mallet. Jno Dwyer (Cpl) returned on board 5 hours over leave.

W. Ray Mastn. Field.
Ensign U.S.N.

4 to 8 p.m.
Partly cloudy to cloudy weather. Light breeze from S.E.

[illegible]
Lieut. U.S.N.

8 to Mid.
Partly cloudy. Light S'd & E'd breeze.

J. W. Bleecker
Lieut. U.S.N.

Examined and found to be correct.

C. K. Lemmon
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex , Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SW	1			30.00	73	57	56		b c m	cir cum	9	
2				"	"	1			30.00	73	56	54		"	"	9	
3				"	"	1			29.99	72	56	54		"	"	9	
4				"	"	1			29.97	72	64	63		"	"	9	
5				"	Calm	0			29.98	71	55	53		"	cum	9	
6				"	WNW	1			29.98	68	66	55		"	"	9	
7				"	NW	1			29.97	67	57	56		b c m	"	3	
8				"	"	1			29.97	67	58	57		"	"	2	
9				"	"	1			29.98	72	60	58		"	nimb ate	3	
10				"	NNW	2			29.97	67	62	60		"	"	2	
11				"	"	2			29.97	67	61	59		o c m	"	0	
Noon.				"	North	2			29.96	70	60	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 470 gallons.

Water Distilled during the preceding 24 hours, 360 "

Water remaining on hand fit for use at Noon, 1810 "

Coal consumed during the preceding 24 hours, tons 1800 lbs.

Coal remaining on hand at Noon, 123 " 130 "

P. M.													
1		Sby E	North	1		29.94	75	61	59	o c f	nimb	0	
2		"	"	1		29.91	77	58	56	"	"	0	
3		"	NE	1		29.90	78	58	56	"	"	0	
4		"	"	1		29.89	78	57	56	"	"	0	
5		"	"	1		29.89	78	55	54	"	"	0	
6		"	"	1		29.89	80	55	54	"	"	0	
7		"	ENE	2		29.90	81	56	55	"	cir cum	0	
8		"	"	2		29.91	81	57	56	b c m	"	4	
9		"	"	2		29.90	79	57	55	o c m	nimb	0	
10		"	"	2		29.90	78	58	56	"	"	0	
11		"	NNE	2		29.90	77	58	57	"	"	0	
Mid.		"	"	2		29.88	74	58	57	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday June 17th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & pleasant: Barometer steady. Light airs from S.W.

J. T. Newton
Lieut U. S. N.

4 to 8 a.m.
Clear first hour, then cloudy & misty. Calm & light airs from W.N.W & N.W. Received in Pay Dept 118 3/4 lbs beef, 118 3/4 lbs vegetables & 90 lbs bread.

~~C. Jones~~
Lieut U. S. N.

8 a.m to Meid.
Partly cloudy, then overcast, light airs & light breeze from W.N.W to N. Mustered and Inspected at quarters. P. Hand. (W.S.) absent without leave. Exercised at battalion drill. Sent down top. g. yds & masts, lashed top. sail yard on top pins and made preparations for striking top masts for exercise for naval apprentices.

W. Ry Mabry Jr.
Ensign U. S. N.

Meid to 4 p.m.
Overcast, foggy, light airs from North & N.E. Barometer falling. Unfidded fore top mast, found heel of mast in good condition. Fidded mast again and commenced setting up rigging.

J. T. Newton
Lieut U. S. N.

4 to 8 p.m
Generally overcast, light airs & light breeze from N.E. and E.N.E.

W. Ry Mabry Jr.
Ensign U. S. N.

8 p.m to Mid.
Overcast, barometer steady. Light breeze from N.N.E. P. Hand (W.S.) returned on board 38 hrs overtime.

J. T. Newton
Lieut U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Sby E	WNW	2			29.86	75	59	57		bc	cir cum	7	
1				"	NW	1			29.86	73	58	57		o cg	nimb	0	
2				"	"	1			29.84	72	57	56		bc	cir cum	6	
3				"	"	1			29.83	70	57	55		"	"	4	
4				"	WNW	2			29.84	69	55	54		o cl p	nimb	0	
5				"	WSW	2-4			29.83	66	54	52		"	"	0	
6				"	"	3			29.84	61	52	51		oc	"	0	
7				"	SW	3			29.85	60	52	51		"	"	0	
8				"	SSW	3			29.91	73	53	52		"	cum str	0	
9				"	"	3			29.96	75	53	52		"	"	0	
10				"	"	3			29.98	80	53	51		bc	bc	5	
11				"	"	3			29.98	82	52	48		"	cum	8	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 355 gallons.

Water Distilled during the preceding 24 hours, 1245 "

Water remaining on hand fit for use at Noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons 660 lbs.

Coal remaining on hand at Noon, 121 " 1710 "

P. M.								
1	Sby E	SSW	3	29.97	79	54	bc	cir 8
2	"	"	3	29.97	81	53	"	" 8
3	"	"	3	29.98	81	54	"	" 9
4	"	"	3	29.98	77	54	"	" 9
5	"	"	2	29.97	78	53	"	" 9
6	"	"	1	29.97	79	53	"	" 9
7	"	"	1	29.97	81	53	bc nm	" 9
8	"	"	1	29.97	83	53	"	cir nb 8
9	"	"	1	30.00	80	53	"	" 8
10	"	Calm	0	30.00	78	53	"	" 8
11	"	"	0	30.00	80	52	"	" 9
Mid.	"	"	0	29.99	79	52	"	" 9

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, June 18th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Fair most of watch. Overcast with pair squalls. Second hour. Light airs & breezes from NW & NW. D. Parker (Ldg) stood midwatch by order of Comdg. Officer.

O M Stone
Ensign U. S. N.

4 to 8 AM.

Overcast; light to gentle breeze from NW to SW. Rock fresh breezes this for use of crew.

W. Ray Mearns Field
Ensign U. S. N.

8 am to Merid.

Overcast; clearing latter part: Barometer rising. Gentle breeze from SSW. At 9.30 mustered at quarters and afterwards called away all boats armed & equipped for distant service provided but did not lower. Ready: St. Launch 2.7m 55 sec. St. Launch 2.50. 1st Cutter 2.56. 2nd Cutter 3.48; W. Boat 3.46; Gig 2.39. Sent up fore topsail yard, top gallant mast & top gallant yard. Port fore top burton carried away in hoisting fore topsail yard. The Comdg. Officer adjudged the following punishments: O. Robinson (C. Gr. M.) 58 hrs over time 1 ped. to 4th class, 3 months & fs M. money. Jas Dwyer (Ck) 5 hrs overtime ped to 2nd class 1 month. Jas. Quigley (Pvt.) clothes in lucky bag — 2 hrs extra duty. P. Hand (W.T.) 38 hrs overtime & tight — ped to 4th class 3 months & fs M. money.

J. H. Newton
Lieut. U. S. N.

Merid to 4 PM.

Clear & pleasant: Gentle breezes from SSW. Went to quarters at 2.30 and turned in clean hammocks.

O M Stone
Ensign U. S. N.

4 to 8 PM.

Clear & pleasant; barometer steady, light airs from SSW.

J. H. Newton
Lieut. U. S. N.

8 PM to Mid.

Clear & pleasant: Calm & light airs from SSW.

O M Stone
Ensign U. S. N.

Examined and found to be correct.

Le. K. Smith
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West	1			29.98	77	50	48		bc	cir cum	9	
2				"	North	2			29.96	71	52	49		"	"	9	
3				"	"	2			29.96	68	52	49		"	"	9	
4				"	"	2			29.94	66	52	49		"	"	9	
5				"	NNE	3			29.93	65	52	49		"	cum	9	
6				"	"	3			29.93	67	52	49		"	"	9	
7				"	NE	3			29.93	70	52	49		"	cir cum str.	9	
8				"	"	3			29.93	66	52	50		"	"	7	
9				"	"	2			29.94	62	53	51		"	"	6	
10				"	NW	1			29.98	72	55	52		"	"	2	
11				"	North	1			29.98	75	56	54		oc	"	0	
Noon.				"	"	1			29.96	74	57	55		bc	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 490 "

Water remaining on hand fit for use at Noon, 2790 "

Coal consumed during the preceding 24 hours, tons 2100 lbs.

Coal remaining on hand at Noon, 120 " 1860 "

P. M.														
1		S by E	S W	2	29.96	74	57	55	oc	cum. strat	0
2		"	"	3	29.96	73	54	52	"	"	0
3		"	"	3	29.96	74	54	52	oc	nimb	0
4		"	"	3	29.97	78	53	51	"	"	0
5		"	S E	2	29.99	84	52	50	"	"	0
6		"	"	2	29.99	84	53	52	oc	"	0
7		"	South	2	30.02	82	54	51	"	"	0
8		"	"	2	30.03	79	53	51	"	"	0
9		"	West	2	30.04	76	53	50	"	"	0
10		"	"	2	30.05	74	52	49	"	"	0
11		"	"	2	30.07	71	51	48	"	"	0
Mid.		"	W by W	3	30.07	69	50	48	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Friday, June 19th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & cool. Light airs from West first hour and afterwards light breeze from North.

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 a.m.
Clear & pleasant. Barometer steady, gentle breeze from NE
Recd in Pay Dept 120 lbs fresh beef, 120 lbs vegetables & 96 lbs bread.

J. H. Newton
Lieut. U. S. N.

8 a.m to Mid
Cloudy. Light airs & breeze from NE to NW. At 9.30 exercised at general quarters. Times as follows 1st Div 1.34. 2nd Div 1.15. 3rd Div 0.48; Nav. Div 1.15; Powder Div 3.55; Engr. Div 1.16; Marines 1.13; Pay Dept 0.06; Surg. Div 1.21. Tested magazine & gun cotton locker flood cocks and found them to be in good working order.

D. Mahoney
Ensign U. S. N.

Mid to 4 p.m.
Overcast. Raining after 2. Light to gentle breeze from SW.

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 p.m.
Overcast and cloudy, rainy first hour light breeze from SE & South.

D. Mahoney
Ensign U. S. N.

8 p.m to Mid.
Overcast: cool. Light to gentle breeze from West & SW.

Geo. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S. by E	S W	4			30.06	66	49	46		b c	cumuli	0	
1				"	"	4			30.06	63	49	46		a	"	0	
2				"	"	4			30.06	58	47	45		.	"	0	
3				"	"	4			30.06	56	47	44		b c	"	4	
4				"	"	4			30.07	53	46	43		b	stone	10	
5				"	"	4			30.10	57	46	43		b c	cumu	9	
6				"	"	4			30.12	56	41	39		"	cumuli	8	
7				"	"	4			30.16	60	38	37		"	"	9	
8				"	"	4			30.16	67	38	37		"	"	9	
9				"	"	4			30.18	70	40	38		"	"	9	
10				"	"	4			30.19	72	43	41		"	"	8	
11				"	"	4			30.19	72	48	42		"	"	8	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2070 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 120 " 450 "

P. M.								
1	S by E.	S W.	4	30.19	64	46	43	b c	cir. cum	A
2	"	"	4	30.17	64	47	44	.	.	A
3	"	S.S.W.	4	30.17	63	47	44	"	"	A
4	"	"	4	30.18	74	46	43	"	"	A
5	"	"	3	30.21	80	46	44	"	"	4
6	"	"	3	30.22	79	47	45	"	"	4
7	"	"	3	30.22	76	47	45	"	"	2
8	"	"	3	30.21	73	47	45	"	"	2
9	"	S. by W.	3	30.18	72	44	43	"	"	A
10	"	South	3	30.18	72	44	43	"	"	1
11	"	"	3	30.17	73	43	42	"	"	1
Mid.	"	"	3	30.16	74	43	42	"	"	A

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, June 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast & cloudy most of watch. Moderate breeze from S.W.

Ensign U.S.N.

4 to 8 a.m.
Clear & cold. Moderate breeze from S.W.

Lieut. U.S.N.

8 a.m to Mid.
Clear and cold. Moderate breze from S th

Geo. F. W. Holman
Lieut. U.S.N.

Mid. to 4 P.M.
Clear and cold, Moderate breze from S.W. and th. S th.

Lieut. U.S.N.

4 to 8 P.M.
Clouding over, Cold, Gentle breze from th. S th. Received on board in Bureau Provisions and Clothing, from Bottini, of Montivideo 13 boxes (1000 lbs) Salt Water soap.

Geo. F. W. Holman
Lieut. U.S.N.

8 P.M. to Mid.
Clear and Cold till last half hour, then cloudy. Gentle breze from th. S th. to West

Lieut. U.S.N.

Examined and found to be correct.

H. H. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	West	3			30.20	72	43	40		bc	drcum	8	
2				"	"	3			30.20	72	42	40		"	"	9	
3				"	"	3			30.20	72	42	41		"	"	9	
4				"	"	3			30.20	72	42	41		"	"	9	
5				"	"	3			30.20	71	42	41		b	none	10	
6				"	"	3			30.21	71	42	41		"	"	10	
7				"	"	3			30.21	70	42	41		bc	cum	9	
8				"	"	3			30.21	62	42	42		bcm	"	9	
9				"	"	3			30.27	70	44	42		bm	none	10	
10				"	"	2			30.30	76	46	44		"	"	10	
11				"	"	2			30.32	74	50	47		"	"	10	
Noon.				"	"	2			30.31	73	52	49		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2070 "

Coal consumed during the preceding 24 hours, tons 1500 lbs.

Coal remaining on hand at Noon, 119 " 1190 "

P. M.																	
1				Sby E	SW	2			30.29	73	54	51		bc	cir. cum	8	
2				"	"	2			30.28	73	56	52		"	"	8	
3				"	WSW	2			30.27	73	57	53		"	"	9	
4				"	West	2			30.28	74	57	53		"	"	9	
5				"	"	2			30.28	76	57	54		"	"	9	
6				"	NW	1			30.29	76	58	55		b	none	10	
7				"	"	2			30.28	73	57	54		"	"	10	
8				"	"	2			30.28	72	56	53		"	"	10	
9				"	"	2			30.28	72	55	52		"	"	10	
10				"	"	2			30.28	72	55	52		"	"	10	
11				"	"	2			30.28	72	55	52		"	"	10	
Mid.				"	"	3			30.28	71	55	52		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, June 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear weather, gentle breeze from West.

W. Ray Mason Fuld.
Ensign U.S.N.

4 to 8 a.m.
Clear & cold. Gentle breeze from West. Rec'd for use of crew 120 lbs. each fresh beef & vegetables and 96 lbs bread.

Edward W. Holman
Lieut U.S.N.

8 a.m to Mer'd
Clear overhead, misty along horizon. Gentle to light breeze from West. At 9.30 held divisional inspection & at 10. Comdg. Officer inspected ships with crew at quarters. H.B.M.S. Beagle came in and moored.

[illegible]
Lieut U.S.N.

Mer'd to 4 p.m.
Clear & pleasant, light breeze from SW. & WSW.

W. Ray Mason Fuld.
Ensign U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breeze to light airs from West to NW.

[illegible]
Lieut U.S.N.

8 p.m to Mid.
Clear weather, light to gentle breeze from NW.

W. Ray Mason Fuld.
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al- Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	W by W	3			30.25	70	57	51		b	cir cum	10	
2				"	"	4			30.24	66	53	51		"	"	10	
3				"	"	3			30.23	67	51	49		"	"	10	
4				"	"	3			30.21	66	51	49		"	"	10	
5				"	"	3			30.20	65	51	49		"	"	10	
6				"	"	3			30.20	65	51	49		"	"	10	
7				"	W W	3			30.20	64	50	48		b c	cir	9	
8				"	"	3			30.21	62	52	50		b cm	cir. str	8	
9				"	"	3			30.22	69	54	52		"	"	9	
10				"	"	3			30.23	73	57	54		"	"	9	
11				"	"	3			30.20	73	59	53		"	"	9	
Noon.				"	"	3			30.19	60	59	54		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1680 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 118 " 2130 "

P. M.									
1	S by E	W W	3	30.16	65	57	53	b cm	cir str
2	"	"	4	30.13	63	60	54	b m	Hour.
3	"	"	5	30.11	64	60	54	"	"
4	"	"	4	30.11	64	61	54	"	"
5	"	"	4	30.10	69	59	54	"	"
6	"	"	3	30.10	69	60	55	"	"
7	"	"	3	30.10	71	58	54	"	"
8	"	"	3	30.10	71	57	53	"	"
9	"	"	3	30.11	69	57	53	"	"
10	"	"	3	30.11	72	56	52	"	"
11	"	"	4	30.11	72	56	52	"	"
Mid.	"	"	4	30.11	68	55	51	"	"

under the command of Commander A. S. Snow, U. S. Navy,

Monday June 22nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & pleasant; full moon. Barometer falling. Gentle to moderate breeze from NW.

J. F. Newton
Lieut. U. S. N.

4 to 8 AM.
Clear & cool. Gentle breeze from NW to W. Recd 120 lbs fresh meat 120 lbs vegetables & 96 lbs bread in Pay Dept.

[illegible]
Lieut. U. S. N.

8 AM to Merid
Clear & pleasant. gentle breeze from W. Mustered at quarters and exercised divisions. Jas. McKinnon (Sea) absent without leave. The Comdg. Officer of H.B.M.S. Beagle called officially &

W. Ry Mason Jnr.
Ensign U. S. N.

Merid to 4 PM.
Clear & pleasant, barometer falling. Gentle to moderate breeze from NW.

J. F. Newton
Lieut. U. S. N.

4 to 8 PM.
Clear & pleasant. Moderate to gentle breeze from W. C.

W. Ry Mason Jnr.
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant, full moon. Barometer steady. Gentle to moderate breeze from NW.

J. F. Newton
Lieut. U. S. N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd. Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NW	4			30.11	66	53	50		b	none	10	
2				"	"	4			30.11	64	57	48		"	"	10	
3				"	"	4			30.10	63	50	47		"	"	10	
4				"	"	4			30.08	63	48	46		"	"	10	
5				"	"	3			30.06	64	46	43		"	"	10	
6				"	"	3			30.08	67	46	43		"	"	10	
7				"	NNW	3			30.08	65	47	45		b c	cir	9	
8				"	"	3			30.07	61	47	46		b c m	"	9	
9				"	"	3			30.11	68	49	46		b m	cir. cum	10	
10				"	"	3			30.13	74	52	49		"	"	10	
11				"	"	3			30.13	78	55	51		"	"	9	
Noon.				"	"	3			30.13	78	58	54		b c m	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 360 gallons.

Water Distilled during the preceding 24 hours, 1560 "

Water remaining on hand fit for use at Noon, 2880 "

Coal consumed during the preceding 24 hours, 1 tons 860 lbs.

Coal remaining on hand at Noon, 117 " 1270 "

P. M.																	
1				S by E	West	2			30.11	71	60	56		b	none	10	
2				"	"	2			30.07	69	61	57		"	"	10	
3				"	NW	3			30.07	68	62	58		"	"	10	
4				"	"	3			30.06	70	62	58		"	"	10	
5				"	"	3			30.08	75	61	57		"	"	10	
6				"	"	3			30.08	77	62	57		"	"	10	
7				"	"	3			30.09	75	62	57		"	"	10	
8				"	"	3			30.10	74	61	57		"	"	10	
9				"	"	2			30.12	78	59	55		b c	circum	9	
10				"	"	2			30.14	75	58	54		"	"	9	
11				"	"	2			30.14	75	56	53		"	"	9	
Mid.				"	"	2			30.16	75	58	52		"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, June 23rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & pleasant: Moderate breeze from NW.

D. McStone
Ensign U. S. N.

4 to 8 AM.
Clear weather, gentle breeze from NW and WNW.

C. Ry F. Mgen Jr.
Ensign U. S. N.

8 am to Meid.
Clear & pleasant: Barometer steady, gentle breeze from WNW. Mustered at quarters, no absentees. Had fire quarters 1st stream 1.06; 2nd stream 1.40; 3rd stream 2.05; The Comdg. Officer visited U. S. N. Hospl officially. The Comdg. Officer adjudged the following punishments: W. Bolton (PM) Cold. for lucky bag - 2 hrs. extra duty; Jos: McKinnon (Sea) 24 hrs. over time, red. to 3rd class 1½ months; Taylor F. S. (P. Sea) Bringing civilian on board without authority. Off special class till orders from Comdg. Officer.

N. J. Hunter
Lieut - U. S. N.

Meid to 4 PM.
Clear & pleasant: Light and gentle breeze from West and NW. Sent liberty party on shore. Recd. fm Equip. Depot 100 gals olive oil Stopped distilling.

D. McStone
Ensign U. S. N.

4 to 8 PM.
Clear & pleasant: Barometer steady. Gentle breeze from NW.

N. J. Hunter
Lieut - U. S. N.

8 PM to Mid.
Clear & pleasant: Light breeze from NW.

C. McStone
Ensign U. S. N.

Examined and found to be correct.

Le. V. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	West	1			30.17	76	53	50		bcm	cir cum	9	
2				"	"	1			30.18	76	53	50		"	"	9	
3				"	"	1			30.17	67	52	49		"	"	9	
4				"	South	1			30.17	63	51	48		"	"	9	
5				"	"	1			30.18	61	48	46		bc	cir	9	
6				"	"	1			30.18	64	47	45		"	"	9	
7				"	"	1			30.19	63	48	46		"	cir str	7	
8				"	SE	2			30.22	62	48	46		bcm	"	8	
9				"	"	2			30.23	67	50	47		"	"	8	
10				"	"	1			30.26	69	52	50		"	"	9	
11				"	"	1			30.27	61	53	51		"	"	9	
Noon.				"	"	1			30.28	62	54	53		"	"	9	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 425 gallons.

Water during the preceding 24 hours, 270 "

Water remaining on hand fit for use at Noon, 2725 "

Coal consumed during the preceding 24 hours, tons 1800 lbs.

Coal remaining on hand at Noon, 116 " 1710 "

P. M.														
1		Sby E	ME	1			30.28	61	53	53	bc	cir cum	9	
2		"	"	1			30.27	61	53	53	"	"	9	
3		"	"	1			30.27	61	54	52	"	"	9	
4		"	EME	1			30.27	61	54	53	"	cir cumo strat	9	
5		"	"	1			30.28	61	53	54	"	"	9	
6		"	"	1			30.29	74	56	54	"	"	9	
7		"	"	1			30.30	77	56	54	bm	more	10	
8		"	"	1			30.32	79	56	54	"	"	10	
9		"	"	1			30.31	78	56	54	"	"	10	
10		"	"	1			30.31	80	56	54	"	"	10	
11		"	"	1			30.32	79	56	54	"	"	10	
Mid.		"	"	1			30.32	79	56	54	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday, June 24th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & pleasant. Heavy dew. Light airs from West, shifting at 3 to South.

Jas. F. W. Folman
Lieut. U. S. N.

4 to 8 AM.
Clear & pleasant. Bright moonlight first part. Barometer rising slowly. Light airs from S & SE. Recd in Pay Dept. 120 lbs beef, 120 lbs vegetables & 96 lbs bread.

H. J. T. Newton
Lieut U. S. N.

8 AM to Merid.
Clear & pleasant. Light airs and breezes from SE. At 9.30 mustered at quarters & exercised divs as per routine.

A. Dyson
Ensign U. S. N.

Merid to 4 PM.
Clear and pleasant. Light airs from NE & ENE.

Jas. F. W. Folman
Lieut. U. S. N.

4 to 8 PM
Clear & pleasant. Light airs from ENE.

A. Dyson
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant, barometer steady. Light airs from ENE.

H. J. T. Newton
Lieut. U. S. N.

Examined and found to be correct.

Le. V. K. Snow
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	WNW	1			30.33	77	86	57		b w	cir. cum. strat.	10	
2				"	"	1			30.33	76	86	57		"	"	10	
3				"	WNE	1			30.30	72	86	57		"	"	10	
4				"	"	1			30.30	70	88	53		"	"	10	
5				"	WNW	2			30.29	67	86	57		b c w	cir	9	
6				"	"	2			30.29	65	86	57		"	"	9	
7				"	North	2			30.29	63	86	57		b c m	cir, strat	8	
8				"	"	2			30.29	62	87	56		"	"	9	
9				"	WNW	2			30.33	72	58	55		b c	"	9	
10				"	"	2			30.36	77	60	57		"	"	9	
11				"	North	2			30.26	70	61	58		"	"	9	
Noon.				"	"	2			30.36	69	61	58		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2355 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 116 " 410 "

P. M.														
1		Sby E	North	2	30.34	78	63	59	b c	cir. strat	9			
2		"	"	2	30.33	78	64	60	b	none	10			
3		"	"	2	30.33	78	64	60	"	"	10			
4		"	"	2	30.32	78	64	61	"	"	10			
5		"	"	2	30.33	79	64	61	"	"	10			
6		"	"	2	30.33	81	63	61	"	"	10			
7		"	"	2	30.33	83	62	59	"	"	10			
8		"	"	2	30.34	82	61	59	"	"	10			
9		"	"	2	30.34	81	61	59	"	"	10			
10		"	"	2	30.34	78	61	57	"	"	10			
11		"	"	2	30.34	75	60	56	b w	"	10			
Mid.		"	"	2	30.33	74	59	56	"	"	10			

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, June 25th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear, bright moon & starlight. Light airs from NNW to NNE. Heavy dew.

Lieut U.S.N.

4 to 8 AM.
Clear & pleasant. Misty last two hours. Light breeze from NNW & North. Recd in Pay Dept 96 lbs bread.

Ensign U.S.N.

8 AM to Merid.
Clear & pleasant. Light breze from NNW to North. At 9.30 mustered at quarters. Spilled at 'arms & away all boats for cutting out.

Lieut. U.S.N.

Merid to 4 PM
Clear & pleasant. Light breze from North.

Lieut. U.S.N.

4 to 8 PM
Clear & pleasant. Light breze from North.

Lieut U.S.N.

8 PM to Merid.
Clear & pleasant. Bright moonlight. Heavy dew last two hours. Light breze from North.

Lieut. U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E.	North	2			30.31	72	58	56		b 20	now	10	
2				"	"	3			30.29	69	57	54		"	"	10	
3				"	"	3			30.27	68	57	54		"	"	10	
4				"	"	3			30.26	67	57	54		"	"	10	
5				"	NNW	3			30.27	63	57	54		b c w	cir	9	
6				"	"	3			30.27	61	56	53		"	"	9	
7				"	"	3			30.28	60	56	53		b c	cir. str.	7	
8				"	"	3			30.26	61	56	54		"	"	7	
9				"	"	3			30.26	69	59	56		"	circum str.	4	
10				"	"	3			30.28	71	61	58		"	"	4	
11				"	"	3			30.28	73	62	58		"	"	6	
Noon.				"	NNE	3			30.28	73	63	59		"	"	6	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 465 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1890 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 115 " 1350 "

P. M.														
1				Sby E	North	2			30.24	72	64	61	b c	cir str 8
2				"	"	2			30.24	71	64	60	"	" 8
3				"	"	2			30.22	72	64	60	"	" 8
4				"	"	2			30.22	72	64	60	"	" 8
5				"	"	1			30.21	70	64	60	"	" 5
6				"	"	1			30.20	75	64	60	"	" 9
7				"	"	1			30.21	75	63	59	"	" 9
8				"	"	1			30.21	75	62	59	b	now 10
9				"	"	2			30.23	73	63	60	"	" 10
10				"	"	2			30.22	71	62	59	"	" 10
11				"	"	3			30.22	71	62	59	b c w	cir cum 9
Mid.				"	"	3			30.23	71	61	58	"	cir cum str. 9

under the command of Commander A. S. Snow, U. S. Navy,
Friday, June 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear weather, light to gentle breeze from North.
W. Ry Mason 2d
Ensign U.S.N.

4 to 8 a.m.
Clear and pleasant. Gentle breeze from NNW.
Geo. H. Holbrook
Lieut U.S.N.

8 a.m. to Meridn
Pleasant weather. Gentle breeze from NNW to NNE. At 9.30 send to general quarters 1st Div ready in 1m 30s; 2nd Div 1m 22s; 3d Div 1m 15s. Navy Div 1m 03s. Powder Div 2m 40 sec; Engr Div 1m 60s. Marine Guard 0m 58s. Pay Dept. 0m 32s. Surg Div 1m 33s. Secured at 10.00 Rec'd 50 lbs bread in Pay Dept. By order of Comdg. Officer the following named apprentices 2nd class were rated to Seg apprentices 1st class from April 28th 91 P.M. Cannon, P. Mendel, C. J. Molinero, M. Stevens, H. Punt, Thos. E. Young, Thos. Wright, H. Walden, & W. Zeitler.
Lieut U.S.N.

Meridn to 4 p.m.
Clear weather, light breeze from North.
W. Ry Mason 2d
Ensign U.S.N.

4 to 8 p.m.
Clear & pleasant, light airs from North.
Lieut U.S.N.

8 p.m. to Mid.
Clear & fine, light to gentle breeze from North.
W. Ry Mason 2d
Ensign U.S.N.

Examined and found to be correct.

Le. K. Lamson
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres; A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	North-	2			30.22	71	61	58		bcw	circum strat-	4	
2				"	"	2			30.22	71	61	58		a	"	2	
3				"	"	2			30.23	71	60	58		bc	"	4	
4				"	"	2			30.23	71	60	58		"	"	1	
5				"	"	3			30.23	70	60	58		"	"	4	
6				"	NNW	3			30.22	70	60	58		"	"	4	
7				"	"	3			30.22	68	62	60		"	circumst	4	
8				"	"	3			30.23	67	62	60		"	circ str	4	
9				"	"	2			30.25	67	62	60		"	"	5	
10				"	North-	2			30.26	68	62	60		"	"	5	
11				"	NNE	2			30.27	69	62	60		"	"	5	
Noon.				"	"	2			30.26	68	64	62		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1440 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 114 " 2190 "

P. M.								
1	Sby E	North-	2	30.25	71 66 64	bc	circ strat-	6
2	"	"	2	30.24	73 66 64	"	"	6
3	"	NNE	3	30.23	71 66 64	"	"	6
4	"	"	2	30.22	70 65 64	"	"	6
5	"	"	2	30.21	71 65 63	"	"	6
6	"	"	1	30.21	71 65 63	"	"	9
7	"	"	1	30.21	71 64 62	bw	rone.	10
8	"	"	1	30.21	71 64 63	"	"	10
9	"	"	1	30.20	68 63 62	"	"	10
10	"	"	2	30.20	67 63 62	"	"	10
11	"	North-	2	30.20	67 62 61	"	"	10
Mid.	"	"	2	30.20	66 61 60	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, June 27th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Cloudy, barometer steady. Light breeze from North.
J. T. Hubby
Lieut. U. S. N.

4 to 8 a.m.
Partly cloudy pleasant weather. Gentle breeze from North to NNW. Rec'd 96 lbs. bread.
~~W. Priswe~~
Lieut. U. S. N.

8 a.m. to Merid.
Partly cloudy, light breeze from NNE to NNW.
W. Ray Mason Field
Ensign U. S. N.

Merid to 4 p.m.
Clear and pleasant. Barometer steady. Light to gentle breeze from North and NNE. Distilling.
J. T. Hubby
Lieut. U. S. N.

4 to 8 p.m.
Partly cloudy, light breeze to light airs from NNE.
W. Ray Mason Field
Ensign U. S. N.

8 p.m. to Mid.
Clear & pleasant, barometer steady. Light airs to light breeze from NNE & North. Moon rose at 11.10. Distilling
J. T. Hubby
Lieut. U. S. N.

Examined and found to be correct.

A. K. Smith
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North-	3			30.20	66	60	59		b nw	none	10	
2				"	"	3			30.20	65	60	59		"	"	10	
3				"	"	3			30.19	64	60	59		"	"	10	
4				"	"	3			30.17	63	60	59		"	"	10	
5				"	"	3			30.16	63	60	59		b c nw	cir	9	
6				"	"	3			30.16	66	59	58		"	circum	6	
7				"	"	3			30.16	68	60	58		b c	"	8	
8				"	"	3			30.16	67	61	58		"	circum strat.	8	
9				"	"	3			30.14	70	61	58		"	"	2	
10				"	"	2			30.14	77	62	60		"	"	4	
11				"	"	2			30.16	75	64	61		"	"	4	
Noon.				"	"	2			30.13	70	64	61		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 1 tons 360 lbs.

Coal remaining on hand at Noon, 113 " 1830 "

P. M.											
1	S by E	North-	2	30.10	69	65	61	b c	cir str	4	
2	"	"	1	30.10	72	65	62	"	"	5	
3	"	"	1	30.10	71	64	61	"	"	5	
4	"	"	1	30.07	69	64	61	"	"	5	
5	"	"	2	30.06	71	64	61	"	cir cum strat.	6	
6	"	"	2	30.06	71	65	62	"	"	6	
7	"	Calm	0	30.05	70	63	60	b c w	"	9	
8	"	S E	1	30.05	67	62	59	"	"	9	
9	"	"	1	30.04	69	61	59	"	"	8	
10	"	East	1	30.03	70	61	59	"	"	7	
11	"	North-	1	30.03	70	61	58	"	"	7	
Mid.	"	"	1	30.04	68	61	59	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, June 28th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant; Heavy dew. Gentle breeze from North-

D. Ns Stone
Ensign U. S. N.

4 to 8 a.m.
Clear & fine, gentle breeze from North. Rec'd fresh provisions
W. Rynd Fen Fuld.
Ensign U. S. N.

8 am to Mid.
Cloudy and pleasant, barometer steady. Gentle to light breeze from North. At 9.30 mustered at quarters, no absentees. At 10. Comdg. Officer inspected ships & crew at quarters. H. B. M. Gunboat "Beagle" left the dock for Montevideo.

J. H. Newton
Lieut. U. S. N.

Mid to 4 p.m.
Partially cloudy. Light airs & breezes from North. Sent liberty party on shore.

D. Bristow
Ensign U. S. N.

4 to 8 p.m.
Cloudy & pleasant. Calm & variable, light airs. Barometer steady.

J. Newton
Lieut. U. S. N.

8 p.m. to Mid.
Clear & pleasant most of watch. Heavy dew. Light airs from SE to North.

D. Bristow
Ensign U. S. N.

Examined and found to be correct.

H. K. Lemon
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Buenos Ayres; A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North-	1			30.03	67	61	59		bcw	cir.cum	2	
2				"	NW	2			30.02	66	61	59		"	"	4	
3				"	"	3			30.01	66	61	59		"	"	4	
4				"	"	3			30.01	65	61	59		"	"	2	
5				"	"	3			30.00	65	61	59		bc	cum.str	1	
6				"	"	2			30.00	65	61	59		"	cir.cum	1	
7				"	"	3			29.99	65	62	60		oc	"	0	
8				"	"	3			29.99	67	62	60		"	"	0	
9				"	"	3			29.99	74	64	62		bc	nimb	2	
10				"	"	3			30.00	78	65	63		oc	"	0	
11				"	"	3			29.99	79	66	64		"	"	0	
Noon.				"	"	3			29.97	77	67	64		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 408 gallons.

Water Distilled during the preceding 24 hours, 798 "

Water remaining on hand fit for use at Noon, 27465 "

Coal consumed during the preceding 24 hours, 1 tons 360 lbs.

Coal remaining on hand at Noon, 112 " 1470 "

P. M.										
1		S by E	North-	3		29.94	78	67	65	bc	nimb	1
2		"	"	2		29.91	76	68	65	"	cir.cum	2
3		"	"	2		29.90	76	68	65	"	"	2
4		"	"	2		29.88	73	67	65	"	"	1
5		"	"	2		29.88	72	68	66	oc	"	0
6		"	"	2		29.88	72	68	66	"	"	0
7		"	"	2		29.88	72	67	65	"	"	0
8		"	NW	1		29.88	72	67	65	bc	"	2
9		"	"	2		29.88	74	67	65	oc	nimb	0
10		"	"	2		29.89	75	67	65	"	"	0
11		"	"	2		29.89	75	67	65	"	"	0
Mid.		"	"	2		29.89	73	67	66	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Monday, June 29th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Cloudy. Heavy dew. Light airs to gentle breeze from North to NW by W. At 1.30 stopped distilling.

Geo. F. Wadleman
Lieut. U. S. N.

4 to 8 AM
Cloudy and overcast, barometer steady. Gentle to light breeze from NW by W. Rec'd in Pay Dept 120 lbs pork, 120 lbs vegetables & 96 lbs bread.

J. H. Hunter
Lieut. U. S. N.

8 AM to Merid.
Cloudy & overcast most of watch: Gentle breeze from NW by W. At 9.30 mustered at quarters & exercised divisions as per routine.

D. Mastone
Ensign U. S. N.

Merid to 4 PM.
Cloudy and close. Gentle to light breeze from North.

Geo. F. Wadleman
Lieut. U. S. N.

4 to 8 PM.
Cloudy. Light airs and breezes from North & NW by W.

D. Mastone
Ensign U. S. N.

8 PM to Midnight.
Overcast. Light airs to light breeze from NW by W. Dr. Diehl, in response to a call for assistance went ashore to attend a man who had fallen over board in Dock No 1. but found the call to be too late, the man being drowned.

Geo. F. Wadleman
Lieut. U. S. N.

Examined and found to be correct.

Le. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NNW	1			29.89	72	67	66		oc	nimb	0	
2				"	"	2			29.87	70	66	65		"	"	0	
3				"	"	2			29.87	69	66	65		"	"	0	
4				"	"	1			29.85	69	65	64		"	"	0	
5				"	"	0			29.84	67	65	64		o c l p	"	0	
6				"	"	0			29.84	67	65	64		"	"	0	
7				"	S W	1			29.83	66	65	64		o c p	"	0	
8				"	S S E	2			29.84	66	62	62		o c q	"	0	
9				"	S E	3			29.86	76	61	61		o c m	"	0	
10				"	"	4			29.86	76	60	60		o c p	"	0	
11				"	"	4			29.86	78	56	56		o c p t	"	0	
Noon.				"	"	4-6			29.85	77	55	54		o c q p	cumulo nimb	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 370 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2375 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 112 " 70 "

P. M.													
1		S by E	S E	3		29.82	76	54	54	o c q p	nimb	0	
2		"	S by E	4		29.86	76	54	53	o c p l t	"	0	
3		"	"	4		29.84	72	53	52	"	"	0	
4		"	"	4		29.96	73	54	53	"	"	0	
5		"	"	4		29.91	73	53	52	"	"	0	
6		"	S S E	3		29.92	70	50	49	o c p	"	0	
7		"	"	4		29.99	81	50	49	"	"	0	
8		"	"	3		30.06	81	51	51	"	"	0	
9		"	"	3-5		30.00	76	51	51	o c q p	"	0	
10		"	"	2		30.06	76	53	52	o c p	"	0	
11		"	South	3-5		30.10	75	50	49	o c q p	"	0	
Mid.		"	"	3-5		30.12	75	50	49	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, June 30th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy. Light breze to light airs from NNW.

F. Briner
Lieut U. S. N.

4 to 8 a.m.
Overcast & cloudy passing showers first three hours: Calm to light brezes & airs from SW & SSE. Recd in Pay Depot 96 lbs bread.

J. Watson
Ensign U. S. N.

8 a.m to Mid.
Overcast: Gentle to moderate breze from SE with fresh squalls last hour Misty first hour, steady rain after that until last hour when we had passing showers: Thunder this hour. Recd in Ordnance Depot 120 sheets wrapping paper for targets: Jos. Reece (Ldsm) was discharged at his own request:

Jno F. Holman
Lieut U. S. N.

Mid to 4 p.m.
Cloudy, stormy, rainy with thunder & lightening. Heavy hail storm at 1.15 P. Moderate breze from SE to SbyE with frequent squalls Bay mustered, one hour.

F. Briner
Lieut U. S. N.

4 to 8 p.m.
Overcast and raining. Thunder and lightening first part. Stiff to gentle breze from SbyE to SSE. Sent out assistance to a man overboard from the further side of the dock who was rescued by a merchant steamer, before the arrival of our people.

Jno F. Holman
Lieut U. S. N.

8 p.m to Mid.
Cloudy & rainy. Gentle breze with frequent stiff squalls.

F. Briner
Lieut U. S. N.

Examined and found to be correct.

Lt. V. K. Lunsford
Line - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSW	3			30.14	70	48	48		oc	nimb	0	
2				"	"	4			30.16	69	47	46		"	"	0	
3				"	"	4			30.16	68	47	46		bc	"	6	
4				"	"	4			30.16	66	46	46		"	"	8	
5				"	"	3			30.16	66	45	44		b	"	10	
6				"	South-	2			30.17	65	44	43		bc	cum	9	
7				"	SW	2			30.20	67	45	44		bcm	"	8	
8				"	"	3			30.22	68	45	44		"	"	8	
9				"	SSW	2			30.26	74	45	44		bm	none	10	
10				"	"	2			30.29	76	48	47		"	"	10	
11				"	South-	2			30.29	69	49	47		"	"	10	
Noon.				"	"	2			30.28	71	50	48		bc	circum	9	

Course and Distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2005 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 111 " 1010 "

P. M.										
1		S by E	S by W	3	30.28	69	51	50	bc	cirstc	8
2		"	S W	3	30.27	66	52	51	"	"	8
3		"	"	2	30.26	61	51	50	"	circum	6
4		"	WSW	2	30.26	62	52	51	"	"	6
5		"	West-	2	30.28	69	52	49	"	nimb	3
6		"	WNW	2	30.30	70	62	49	"	"	6
7		"	"	2	30.31	73	61	49	"	"	6
8		"	"	2	30.32	73	52	49	"	"	4
9		"	"	2	30.33	73	53	51	oc	"	0
10		"	"	1	30.34	74	53	51	ocp	"	0
11		"	NW	1	30.34	70	54	51	bc	"	5
Mid.		"	"	1	30.34	71	53	51	"	"	6

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday July 1st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast, then clearing. Moderate breeze from S.S.W.
W. Ry Mason Jr.
Ensign U.S.N.

4 to 8 a.m.
Pleasant cool weather with light haze. Light to gentle breeze from South to S.W. Recd for use of crew 118 3/4 lbs. each fresh beef and vegetables and 95 lbs bread.
Jas. F. W. Holman
Lieut. U.S.N.

8 am to Mrid.
Clear & pleasant weather. Light breeze from S.S.W. to South. At 9.30 inspected quarters & had battalion drill.
[illegible]
Lieut. U.S.N.

Mrid to 4 p.m.
Partly cloudy, light to gentle breeze from S by W to W.S.W.
W. Ry Mason Jr.
Ensign U.S.N.

4 to 8 p.m.
Partly cloudy, pleasant weather. Light breeze from West to W.N.W.
Recd 20 gallons molasses in Pay Dept.
[illegible]
Lieut. U.S.N.

8 p.m. to Mid.
Overcast with rain, then partly clear. Light breeze from W.N.W. to light airs from N.W.
W. Ry Mason Jr.
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

U.S. Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West	2			30.38	69	53	51		b c m	cir cum.	4	
2				"	"	1			30.38	68	52	50		"	"	8	
3				"	"	1			30.36	66	51	49		"	"	8	
4				"	"	1			30.36	66	50	48		"	"	9	
5				"	South	1			30.34	65	49	47		"	cum.	8	
6				"	"	1			30.34	70	49	47		"	"	9	
7				"	SW	2			30.36	69	48	46		b c	cir cum strat.	7	
8				"	WSW	2			30.37	68	47	45		"	"	7	
9				"	SW	2			30.39	70	48	46		"	"	4	
10				"	"	2			30.40	70	51	48		"	"	6	
11				"	"	2			30.41	72	51	48		"	"	6	
Noon.				"	"	3			30.41	67	50	47		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 355 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1660 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 110 " 1950 "

P. M.														
1		S by E	S W	2	30.38	71	51	48	b c	cir. cum	6			
2		"	"	1	30.36	67	51	48	"	"	5			
3		"	"	2	30.35	67	49	47	"	"	6			
4		"	"	2	30.35	65	52	50	"	"	7			
5		"	"	1	30.35	66	53	51	"	"	7			
6		"	"	1	30.36	69	54	52	"	"	9			
7		"	"	1	30.36	71	54	53	"	"	4			
8		"	"	1	30.37	74	54	53	b c	"	6			
9		"	"	1	30.36	70	53	52	"	"	9			
10		"	"	1	30.35	70	53	52	"	"	10			
11		"	"	1	30.35	72	51	50	"	"	10			
Mid.		"	"	1	30.34	72	51	49	"	"	10			

under the command of Commander A. S. Snow, U. S. Navy,

Thursday July 2nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.
Clear & pleasant, barometer steady, light airs from West.

J. H. Hunter
Lieut. U. S. N.

4 to 8 am.
Fine pleasant weather, Light airs & light breez from South to WSW. Recd 93 lbs bread in Pay Dept.

Lieut. U. S. N.

8 am to Merid
Partly clear, light to gentle breez from SW. Mustered at quarters and exercised at All boats armed & equipped for distant service. St. Launch ready in 2m 37sec. St. Launch 3m 38sec. 1st Cutter 2m 19sec. 2nd Cutter 3m 50sec. W. Boat 4m 38sec. Gig 3m 22s. The Comdg Officer inflicted the following punishments: Chas. Smith (Sea) 2d Hist on clothes line 6, 4 hour anchor watches midnight, standing. Ed. McNierney (Ldg) Noisy and profane while at work on cat-harpin — 3, 4 hour extra anchor watches. J. C. Grockenbower (OS) & J. E. Young (LS) Appr'd) Refusing to obey orders of senior to leave galley — each 4 anchor watches. H. Dielstein (Capt Tops) Disrespectful to the Corpl of the guard while in the execution of his duty — dis-rated to Seaman. J. C. Grockenbower (OS) Not getting out of officers way in gangway — rated to 3d class; 1/2 Months

W. Rey Mason Field.
Ensign U. S. N.

Merid to 4 pm.
Clear & pleasant, barometer falling slowly. Light breez to light airs from SE. Recd in Prov. Dept 12 gals boiled oil, 6 lbs corn starch, 240 fms rattline stuff.

J. H. Hunter
Lieut. U. S. N.

4 to 8 pm.
Partly cloudy, light airs from SW.

W. Rey Mason Field.
Ensign U. S. N.

8 pm to Mid.
Clear & pleasant barometer steady light airs from SW.

J. H. Hunter
Lieut. U. S. N.

Examined and found to be correct.

H. K. Hewitt
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SW	1			30.38	72	49	48		b c w	cir cumu	8	
2				"	"	1			30.38	70	47	47		"	"	9	
3				"	"	1			30.38	65	45	45		b w	none	10	
4				"	"	1			30.37	66	44	43		"	"	10	
5				"	"	2			30.39	63	42	42		b	"	10	
6				"	"	2			30.39	66	42	42		b c	cumu.	9	
7				"	"	2			30.40	64	43	42		"	cir cumu	8	
8				"	"	2			30.40	59	43	42		"	"	3	
9				"	"	2			30.47	79	48	41		"	"	3	
10				"	"	2			30.49	71	44	42		"	"	4	
11				"	"	2			30.51	72	46	44		"	"	7	
Noon.				"	"	2			30.50	70	48	46		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 440 gallons.

Water Distilled during the preceding 24 hours, 260 "

Water remaining on hand fit for use at Noon, 1500 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 110 " 630 "

P. M.																	
1				Sby E	SSW.	2			30.47	71	49	46		b c	cir cumu	6	
2				"	"	2			30.46	71	50	47		"	"	6	
3				"	South-	2			30.46	73	51	47		"	"	7	
4				"	Sby E	2			30.47	74	52	48		"	"	7	
5				"	"	2			30.48	72	52	48		"	"	7	
6				"	"	2			30.51	76	52	48		"	"	9	
7				"	South-	1			30.54	72	51	48		b w	"	10	
8				"	"	1			30.54	76	51	48		b c w	"	10	
9				"	"	1			30.56	77	50	47		b w	none	10	
10				"	"	1			30.56	73	48	46		b m w	"	10	
11				"	"	2			30.55	72	47	45		"	"	10	
Mid.				"	"	2			30.55	70	46	44		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Friday July 3rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Clear & pleasant. Light airs from SW. J. O. Brockenbrough (OS) was found to be absent from the ship, without leave.

D. M. Stone
Ensign U. S. N.

4 to 8 AM.

Partly cloudy, light breeze from SW. Confined J. Pingree (Lds) and D. Parker (Lds) under sentry's charge for safe keeping.

W. Roy Mason Jr. Asst.
Ensign U. S. N.

8 AM to Mid.

Cloudy clearing later part; pleasant and unpleasant barometer rising Light breeze from SW. All to general quarters. Ready 1st Div 1m 35s; 2nd Div 2m. 3rd Div 1m 25s. Navy 1m 20ss. Powder Div 2m 15s. Engr Dept 0m 56ss. Marine Guard 0m 55.5s. Pay Dept 38ss. Surg 1m 06ss. Absent without leave J. O. Brockenbrough (OS) Flags loaned to the "Saida" were returned.

J. T. Newton
Lieut U. S. N.

Mid to 4 PM

Fair. Light breezes from SSW to SSW by E. Spilled engineers divs at small arms & Sent liberty party ashore. Released D. Parker (Lds) by order of Comdg. Officer.

D. M. Stone
Ensign U. S. N.

4 to 8 PM

Clear & pleasant; barometer rising. Light breeze to light airs from SSW by E & South.

J. T. Newton
Lieut U. S. N.

8 PM to Mid.

Clear & pleasant. Light airs & breeze from South.

D. M. Stone
Ensign U. S. N.

Examined and found to be correct.

Le. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Sby E	SSE	2			30.54	70	46	43		b w	cir cum	6	
1				"	SE	4			30.52	70	45	43		"	"	8	
2				"	"	4			30.51	74	45	42		"	"	8	
3				"	"	4			30.52	74	45	42		"	"	8	
4				"	"	2			30.53	71	46	43		b c	"	8	
5				"	"	2			30.54	71	46	43		"	"	8	
6				"	"	3			30.52	63	46	44		"	"	8	
7				"	ESE	3			30.52	63	43	44		"	"	5	
8				"	SE	3			30.53	71	44	43		"	"	1	
9				"	"	3			30.53	73	44	43		"	"	1	
10				"	ESE	3			30.54	73	47	46		"	"	1	
11				"	"	3			30.53	74	48	47		o c	"	0	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 1295 "

Water remaining on hand fit for use at Noon, 24445 "

Coal consumed during the preceding 24 hours, 1 tons 660 lbs.

Coal remaining on hand at Noon, 108 " 2230 "

P. M.								
1	Sby E	NE	3	30.49	69	52	49	s c	cir cum	0
2	"	"	3	30.47	68	52	48	"	"	0
3	"	"	3	30.46	68	52	49	"	cum nimb	0
4	"	"	3	30.46	68	51	47	"	"	0
5	"	"	3	30.44	67	51	47	b c	"	3
6	"	"	4	30.42	70	52	49	"	"	3
7	"	"	4	30.42	71	52	49	"	nimb	1
8	"	"	4	30.42	72	53	49	"	"	4
9	"	"	4	30.42	71	53	49	"	"	6
10	"	"	5	30.42	68	52	48	"	"	6
11	"	"	5	30.40	68	52	48	"	"	6
Mid.	"	"	5	30.40	67	52	48	"	"	5

under the command of Commander A. S. Snow, U. S. Navy,

Saturday July 4th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear and cool. Light to moderate breeze from SSE to SE.
Jno Fitz Johnson
Lieut U. S. N.

4 to 8 am.
Clear & cool, barometer steady. Light to gentle breeze from SE and ESE. Received in Pay Dept 93 lbs bread.
J. T. Hawley
Lieut U. S. N.

8 am to Mrid
Cloudy with gentle breeze from ESE & SE. Rated F. Smith from Cook to Capt of Top and A. Harder from Seaman to Cook to date from July 3rd by order of Comdg. Officer. C. Olsen (Capt Top) and J. C. Spockenbourg (OS) absent from ship without leave.
A. M. Stone
Ensign U. S. N.

Mrid to 4 pm.
Overcast. Gentle breeze from NE. The Comdg. Officer with four officers left the ship to attend the reception of the Ministers of the United States.
Jno Fitz Johnson
Lieut U. S. N.

4 to 8 pm.
Cloudy. Gentle and moderate breezes from NE.
A. M. Stone
Ensign U. S. N.

8 pm to Mrid.
Fair. Moderate to stiff breeze from NE. All hands employed distilling.
Jno Fitz Johnson
Lieut U. S. N.

Examined and found to be correct.

C. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	NE	5			30.39	66	51	48		bc	cumu	6	
2				"	"	5			30.36	66	51	48		a	a	6	
3				"	"	5			30.34	66	51	48		b	none	10	
4				"	"	5			30.32	65	51	48		"	"	10	
5				"	"	5			30.28	65	51	48		"	"	10	
6				"	"	5			30.28	65	51	48		"	"	10	
7				"	"	4			30.24	65	52	50		bc	cir cumu strat	6	
8				"	"	4-5			30.24	69	52	50		a	"	3	
9				"	"	4-5			30.24	74	54	52		"	"	3	
10				"	"	4-5			30.24	75	54	54		"	"	3	
11				"	"	4-5			30.20	69	56	54		a	"	4	
Noon.				"	"	4			30.16	67	55	56		a	a	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 320 gallons.

Water Distilled during the preceding 24 hours, 710 "

Water remaining on hand fit for use at Noon, 2935 "

Coal consumed during the preceding 24 hours, 1 tons 160 lbs.

Coal remaining on hand at Noon, 107 " 2070 "

P. M.												
1	SbyE	NE	3	30.12	71	60	56	bc	cir cumu	2		
2	"	"	2	30.09	71	61	60	"	cir cumu strat	4		
3	"	"	2	30.07	71	60	59	"	"	2		
4	"	ENE	2	30.06	76	59	58	"	"	2		
5	"	"	3	30.04	79	59	56	oc	"	0		
6	"	"	2	30.04	77	61	57	"	"	0		
7	"	"	2	30.04	77	61	57	"	"	0		
8	"	"	2	30.04	75	59	57	ocm	"	0		
9	"	"	2	30.00	75	59	56	"	"	0		
10	"	"	2	29.99	75	59	56	"	"	0		
11	"	"	2	29.98	73	59	57	"	"	0		
Mid.	"	NNE	2	29.96	72	59	56	"	"	0		

under the command of Commander A. S. Snow, U. S. Navy,

Sunday July 5th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear & cold, starlight. Stiff breze from NE.

~~A. Irwin~~
Lieut U.S.N.

4 to 8 am.
Clear & pleasant first part, clouding over last part: Moderate to fresh brezes from NE. Recd in Pay. Dept 92 lbs: fresh bread, 116 lbs vegetables, 116 lbs fresh meat.

D.M. Stone
Ensign U.S.N.

8 am to Mid.
Cloudy. Moderate to stiff breze from NE. At 9.30 had divisional inspection. Absentees J.H. Mills (Eds) E.W. Sweeney (N.T.) C. Olsen (C.Top) and J.O. Geockenbower (OS) at 10 had general muster and read the Articles for Better Government of the Navy. A.E. Durand, (Boy) was released from confinement.

Jas H. Holman
Lieut U.S.N.

Mid to 4 pm.
Cloudy, pleasant weather. Gentle breze from NE to ENE.

~~A. Irwin~~
Lieut U.S.N.

4 to 8 pm.
Overcast. Gentle to light breze from ENE. J.H. Mills (Eds) and Ed. McSweeney (N.T.) returned aboard.

Jas H. Holman
Lieut U.S.N.

8 pm to Mid.
Cloudy & misty. Light breze from ENE to NNE.

~~A. Irwin~~
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	North-	2			29.93	71	57	57		oc	rainb	0	
2				"	"	2			29.90	71	57	57		"	"	0	
3				"	NNW	2			29.89	67	57	57		"	"	0	
4				"	"	1			29.89	67	57	57		"	"	0	
5				"	"	1			29.83	68	58	56		"	"	0	
6				"	"	1			29.82	68	58	56		oc m	"	0	
7				"	"	1			29.79	68	58	56		"	"	0	
8				"	NE	1			29.80	66	58	56		"	"	0	
9				"	East-	1			29.81	71	57	55		"	"	0	
10				"	"	1			29.82	70	57	56		"	"	0	
11				"	"	1			29.78	75	57	56		"	"	0	
Noon.				"	"	1			29.76	70	57	56		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2500 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 107 " 770 "

P. M.																	
1				SbyE	East-	2			29.76	74	57	55		bcm	rainb	0	
2				"	SSE	2			29.76	72	58	57		"	"	0	
3				"	SSW	2			29.76	75	59	57		"	"	0	
4				"	SbyE	2			29.77	74	57	57		"	"	0	
5				"	South-	1			29.79	77	59	57		ocm	"	0	
6				"	"	1			29.81	81	59	57		"	"	0	
7				"	"	1			29.86	79	59	57		"	"	0	
8				"	"	1			29.86	78	59	56		"	"	0	
9				"	"	1			29.86	78	57	55		bm	Nimbs	10	
10				"	"	1			29.84	76	56	55		bmw	"	10	
11				"	"	1			29.85	75	56	55		"	"	10	
Mid.				"	"	1			29.85	75	55	54		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Monday July 6th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Overcast; light-breeze from N to light-airs from NW.

W. Ry Master Field.
Ensign U.S.N.

4 to 8 AM

Overcast and hazy: Light-airs from NW to NE. Received aboard for use of crew 116 lbs fresh meat & vegetables and 92 lbs bread.

Jas. H. Holman
Lieut. U.S.N.

8 AM to Meid.

Overcast, damp & misty: Light-airs from East. At 9.30 mustered at quarters & exercised as per routine. The following men absent without leave: J. O. Spockenbourer (OS), C. Olsen (Capt Top), C. Smith (Sea), H. Arneson (Sea) & C. K. Tenyck (2cl F). J. H. Mills (Lds) was discharged from his ship & the naval service at his own request. A Board of Survey composed of Lieut C. K. Cogswell & Lt. J. H. Holman & Ensign W. Cully U.S.N. met on board for the purpose of surveying certain articles in Equipt Dept.

~~A. Irwin~~
Lieut. U.S.N.

Meid to 4 PM.

Overcast; light-breeze from E to SSW. Shipped new davits for dinghy and hoisted the boat in place. A. E. Durand (Boy) left the catamaran without permission.

W. Ry Mast Field.
Ensign U.S.N.

4 to 8 PM.

Cloudy & misty. Light-airs from South: H. Arneson (Sea) returned on board.

~~A. Irwin~~
Lieut. U.S.N.

8 PM to Mid.

Clear & pleasant, light-airs from South.

W. Ry Mast Field.
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Shr. "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SSE	1			29.87	73	56	54		o c m	rainb	0	
2				"	"	1			29.88	72	56	54		"	"	0	
3				"	S W	1			29.88	70	55	53		"	"	6	
4				"	"	1			29.89	70	55	53		"	"	6	
5				"	"	1			29.88	68	55	54		"	"	0	
6				"	"	1			29.88	68	54	52		"	"	0	
7				"	"	1			29.87	61	53	52		"	"	0	
8				"	S E	2			29.87	60	52	51		"	"	0	
9				"	"	2			29.88	70	57	52		"	"	0	
10				"	East	2			29.90	70	54	53		"	"	0	
11				"	E N E	2			29.92	74	57	55		"	"	0	
Noon.				"	"	2			29.93	71	57	56		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 446 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2055 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 106 " 1810 "

P. M.										
1		Sby E	East	2		29.92	68	55	54	o c	cir cum	0
2		"	"	3		29.88	68	57	52	"	"	0
3		"	"	3		29.88	73	57	57	o c m	cum str	0
4		"	E by S	4		29.88	75	57	57	"	"	0
5		"	S E	4 S		29.88	78	52	52	"	rainb	0
6		"	"	4		29.88	78	53	53	"	"	0
7		"	S S E	4		29.87	80	53	53	"	"	0
8		"	"	4		29.87	75	54	53	"	"	0
9		"	"	3		29.86	69	55	55	"	"	0
10		"	East	2		29.86	68	56	56	"	"	0
11		"	"	2		29.84	69	57	56	o. c. d. f.	"	0
Mid.		"	"	2		29.84	71	58	57	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday July 7th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast, barometer pising. Light airs from SSE and SW.

J. T. Newton
Lieut U. S. N.

4 to 8 AM
Cloudy & misty. Light airs from SW first three hours. Light breze from SE last hour.

Harrison
Lieut U. S. N.

8 AM to Meid
Overcast, light breze from SE to ENE. Mustered and inspected at quarters and exercised at fire quarters. 1st stream 0m 40sec. 2nd stream 0m 52sec. 3rd stream 1m 02sec. List of Absentees: J. O. Spockenbourg (OS) A. E. Durand (Boy), C. Smith (Sea), C. H. Fenwyck (2d F), M. McCarthy (CH), F. Smith (Cpl Top), J. M. Cooper (CH), R. Post (S. Appzd), Jas. Dwyer (CH), Jno Sluney (Sea). Jno Sluney (Sea) returned from liberty 3 hrs. over time. Scraped dinghys davits.

W. Ry Mason Jr.
Ensign U. S. N.

Meid to 4 PM
Overcast. Light to gentle breze from East. Barometer falling

J. T. Newton
Lieut U. S. N.

4 to 8 PM.
Overcast. Moderate breze from SE to ESE.

W. Ry Mason Jr.
Ensign U. S. N.

8 PM to Mid.
Overcast, drizzling latter part. Barometer steady Light breze from East.

J. T. Newton
Lieut U. S. N.

Examined and found to be correct.

M. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SE	1			29.83	76	69	57		o c f	nimb	0	
2				"	"	1			29.83	75	59	58		"	"	0	
3				"	"	1			29.81	75	59	58		"	"	0	
4				"	"	1			29.79	73	59	58		"	"	0	
5				"	Calm	0			29.78	71	59	58		b c m 2	"	9	
6				"	"	0			29.76	68	59	58		"	"	9	
7				"	NNE	1			29.74	68	59	58		o c f	nimb	0	
8				"	"	1			29.75	69	61	60		"	"	0	
9				"	"	2			29.73	67	61	61		b c m	"	2	
10				"	"	2			29.72	67	62	62		"	"	2	
11				"	"	2			29.72	66	63	63		"	"	2	
Noon.				"	NW	2			29.71	71	64	65		"	"	2	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water Distilled during the preceding 24 hours, 1110 "

Water remaining on hand fit for use at Noon, 27455 "

Coal consumed during the preceding 24 hours, 1 tons 660 lbs.

Coal remaining on hand at Noon, 105 " 11350 "

P. M.								
1	Sby E	NNW	1	29.67	70	67	66	b c m cir cum s
2	"	NW	1	29.66	70	68	67	o c m nimb 0
3	"	West	2	29.67	70	68	68	" " 0
4	"	WNW	1	29.67	69	67	67	" " 0
5	"	"	1	29.67	69	67	66	" " 0
6	"	West	2	29.69	72	67	67	" " 0
7	"	"	1	29.74	72	67	66	" " 0
8	"	"	1	29.75	76	67	66	" " 0
9	"	WNW	1	29.79	76	67	66	" " 0
10	"	"	1	29.80	76	66	65	" " 0
11	"	SW	1	29.81	73	65	64	" " 0
Mid.	"	"	1	29.82	73	64	63	" " 0

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday, July 8th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast & foggy. Light airs from SE.

D Watson
Ensign U.S.N.

4 to 8 AM
Clear first part, then overcast. Calms & light airs from NE to NE
Recd fresh provisions for use of crew.

W. Ray Mason Asst.
Ensign U.S.N.

8 AM to Midd
Cloudy and pleasant, occasional sunlight. Barometer steady.
At 9.30 mustered at quarters. Absentees without leave J. O. Spackenbower (Ord & A.E. Durand (Boy), R. Post (S. Appd), F. Smith (Capt. Top), Jas. Dwyer (CH) M. McCarthy (CH); C.R. Jenzyck (2d F) Drilled the Infantry & Artillery Companies. The Comdg. Officer adjudged the following punishments: D. Parker (Lds) 3/4 overtime & drunk — ped. to 4th class, 1 months. P. Boles (Sea) 3/4 overtime — 1 week quarantine. Jos. Pingree (Lds) Fight & disorderly — ped to 4th class, 3 months. Ed. McSweeney (W.T) 10 hrs overtime — ped to 2nd class 1 month. C. Olsen (Capt Top) 52 hrs overtime — ped to 4th class 3 months. H. Amundson (Sea) 9 hrs overtime — ped to 3rd class 1 month. J. Sliney (Sea) 3 hrs overtime & fight — ped. to 2nd class 1 month. J.M. Cooper (CH) 12 hrs overtime — ped to 2nd class 1 month. C. Smith (Sea) 36 hrs overtime & fight — ped to 4th class 2 months. J. J. Sullivan (S. Appd) Drunk from liberty ped to 4th class from Aug 31st 1 month.

J.J. Newton
Lieut U.S.N.

Merid to 4 PM.
Cloudy most of watch. Light airs & breezes from West to NW.
Stopped distilling. R. Post (S. Appd) returned on board 31 hrs overtime.

D Watson
Ensign U.S.N.

4 to 8 PM.
Overcast. Barometer rising. Light airs & light breeze from NNW & N.

J. J. Newton
Lieut U.S.N.

8 PM to Mid.
Overcast, cloudy & misty. Light airs from NNW & SW.

D Watson
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

A- Buenos Ayres; A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	S W	1			29.84	71	62	62		ocdf	nimb	0	
2				"	"	1			29.85	71	62	62		"	"	0	
3				"	"	1			29.87	70	62	61		"	"	0	
4				"	"	1			29.88	70	61	60		"	"	0	
5				"	S SE	2			29.88	68	61	60		ocfw	"	0	
6				"	"	2			29.90	67	60	59		"	"	0	
7				"	SE	3			29.90	66	58	57		"	"	0	
8				"	"	3			29.91	64	57	56		ocm	"	0	
9				"	ESE	2			29.94	72	57	57		"	"	0	
10				"	East	3			29.95	69	57	57		"	"	0	
11				"	"	4			29.94	68	56	56		"	"	0	
Noon.				"	"	4			29.94	72	56	56		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 1410 gallons.

Water during the preceding 24 hours, 260 "

Water remaining on hand fit for use at Noon, 2596 "

Coal consumed during the preceding 24 hours, tons 2200 lbs.

Coal remaining on hand at Noon, 104 " 1190 "

P. M.																	
1				Sby E	East	3			29.92	70	56	56		ocm	nimb	0	
2				"	"	3			29.89	70	56	56		"	"	0	
3				"	ESE	3			29.88	70	56	56		"	"	0	
4				"	SE	4			29.86	69	56	56		"	"	0	
5				"	"	4			29.86	69	56	55		"	"	0	
6				"	"	4			29.86	72	58	57		"	"	0	
7				"	"	4			29.86	70	60	59		"	"	0	
8				"	"	4			29.86	70	59	58		ocpm	"	0	
9				"	"	1			29.84	72	57	57		cf.	"	0	
10				"	"	1			29.84	72	58	57		"	"	0	
11				"	"	1			29.84	72	58	57		"	"	0	
Mid.				"	"	1			29.85	72	58	57		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday, July 9th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Overcast and foggy. Light drizzle. Light airs from S.W.
Jas. H. Holman
Lieut. U.S.N.

4 to 8 a.m.
Overcast, foggy. Barometer steady. Light airs to gentle breeze from S.S.E. & S.S.W. F. Smith (Cpl. Tops) returned 42 hrs. over time. Rec'd in Pay Dept. 87 lbs. bread.

J. J. Hunter
Lieut. U.S.N.

8 a.m. to Merid.
Cloudy & misty. Light to moderate breezes from East and E.S.E. At 9.30 mustered at quarters & found the following men absent without leave. O. Brockenbower (O.S.) A.E. Dorand (Boy), C.K. Tenney (2d F), M. McCarthy (C.H.), Jas. Dwyer (C.H.) exercised Divs. as per routine. At 11.30 the Comdg. Officer with a party of officers left the ship to attend the celebration of the signing of the declaration of independence of the Argentine Republic.

Merston
Ensign U.S.N.

Merid. to 4 p.m.
Overcast & misty. Gentle breeze from East to E.S.E. Sent a liberty party ashore.

Jas. H. Holman
Lieut. U.S.N.

4 to 8 p.m.
Overcast & cloudy. Moderate breezes from S.E. M. McCarthy (C.H.) & C.K. Tenney (2d F) returned on board 63 hrs. overtime and Jas. Dwyer (C.H.) returned on board 59 hrs. overtime.

Merston
Ensign U.S.N.

8 p.m. to Mid.
Overcast & foggy, misty. Light airs from S.E.

Jas. H. Holman
Lieut. U.S.N.

Examined and found to be correct.

C. K. Tenney
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S E	1			29.85	71	58	57		o c m l	mixed	0	
2				"	S W	1			29.85	67	58	57		o c m	"	0	
3				"	"	1			29.86	64	57	58		"	"	0	
4				"	"	1			29.83	64	57	58		"	"	0	
5				"	"	1			29.83	60	58	58		o c f r	"	0	
6				"	"	1			29.80	64	58	58		"	"	0	
7				"	"	1			29.84	64	58	58		"	"	0	
8				"	S S W	1			29.83	63	58	58		"	"	0	
9				"	S by E	2			29.83	67	57	56		o c m	"	0	
10				"	"	1			29.83	69	59	58		"	"	0	
11				"	South	2			29.82	69	59	58		"	"	0	
Noon.				"	S W	2			29.82	70	59	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 22053 "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 103 " 1920 "

P. M.														
1			S by E	S W	3			29.78	68	59	58	o c d l	mixed	0
2			"	"	4			29.77	68	59	59	o c d	"	0
3			"	"	4			29.77	70	58	58	o c r	"	0
4			"	"	4			29.78	69	58	58	"	"	0
5			"	S by E	3			29.70	69	58	57	"	"	0
6			"	S S W	4			29.71	68	58	57	o c	"	0
7			"	S W	4			29.71	70	58	57	"	"	0
8			"	"	4-5			29.72	70	58	57	o c d g	"	0
9			"	"	4			29.73	70	58	57	"	"	0
10			"	"	4			29.74	68	57	56	o c r	"	0
11			"	"	5			29.75	67	57	56	"	"	0
Mid.			"	"	6-7			29.75	65	56	55	o c r l	mixed	0

under the command of Commander A. S. Snow, U. S. Navy,

Friday, July 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast & foggy & damp. Lightning first hour. Light airs from SE first hour & from SW last three hours.

~~Jr.~~ Lieut. U. S. N.

4 to 8 AM
Cloudy & foggy. Light airs from SW & SSW. Recd in Pay Dept: 89 lbs bread 111/4 lbs vegetables 111/4 lbs fresh meat.

Capt Stone
Ensign U. S. N.

8 AM to Merid.
Overcast & misty. Light breeze to light airs from SSW to SW. At 9.30 exercised at general quarters. Absentees: J. C. Spockenbourg (OS) A. E. Durand (Boy) The Comdg Officer adjudged the following punishment. R. Post (L. App 2d) 31 hrs overtime - ped to 4th class 3 months. Fred. Smith (Cpl: Jop) 42 hrs overtime - ped to 4th class 3 months. M. McCarthy (CH) 83 hrs, C. R. Jeneyck (2d F) 83 hrs; & Jos: Dwyer (CH) 59 hrs overtime - each reduced to 4th class; 3 months. J. M. Money. Dingled lines ready for shifting berth.

Jas. H. Holman
Lieut. U. S. N.

Merid to 4 PM.
Overcast & rainy with occasional thunder & lightning. Gentle to moderate breeze from SW.

~~Jr.~~ Lieut. U. S. N.

4 to 8 PM.
Overcast. Raining first hour. Gentle to moderate breeze from SSW & E to SW.

Jas. H. Holman
Lieut. U. S. N.

8 PM to Mid
Cloudy & rainy Lightning last hour. Moderate breeze first part, increasing to strong breeze with frequent squalls. last hour.

~~Jr.~~ Lieut. U. S. N.

Examined and found to be correct.

C. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SW	3-6			29.73	65	55	54		ac gpl	nimb	0	
2				"	"	3-6			29.78	64	55	54		"	"	0	
3				"	"	3-6			29.72	64	54	54		"	"	0	
4				"	"	3-6			29.72	64	55	54		"	"	0	
5				"	"	4-7			29.71	64	53	54		ac gp	"	0	
6				"	"	4-8			29.71	63	55	54		"	"	0	
7				"	"	4-8			29.73	69	56	55		"	"	0	
8				"	"	4-7			29.79	72	55	55		ac g	"	0	
9				"	"	4-6			29.84	68	55	55		"	"	0	
10				"	"	4-6			29.90	73	55	55		"	"	0	
11				"	"	4-6			29.94	74	55	54		"	"	0	
Noon.				"	"	4-6			29.93	74	56	55		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 315 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1890 "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 103 " 420 "

P. M.																	
1				SbyE	SW	4-6			29.90	74	57	56		ac g	nimb	0	
2				"	"	5			29.96	73	57	56		ac	"	0	
3				"	"	5			29.99	73	57	56		"	"	0	
4				"	"	4			30.00	73	57	56		"	"	0	
5				"	"	4			30.01	73	57	56		b c m	cir cum	1	
6				"	"	4			30.06	78	56	55		"	"	1	
7				"	"	4			30.10	80	56	56		"	"	6	
8				"	"	4			30.12	80	57	56		b	none	10	
9				"	"	4			30.13	74	58	57		bc	nimb	6	
10				"	"	4-8			30.13	72	58	57		ac g	"	0	
11				"	"	4-6			30.13	71	56	55		"	"	0	
Mid.				"	"	4-6			30.15	70	56	55		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday July 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast - squally & heavy rain. Gentle to stiff breeze from SW.
6. Ry Mason Field
Ensign U.S.N.

4 to 8 AM.
Overcast - Raining first three hours: Moderate gale blowing in squalls from SW Reef[illegible] bread.
Jno H Dahlgren
Lieut U.S.N.

Merid to 4 PM.
with frequent stiff
ern boder (OS) & Ad E.

Rec'd: 1 Patent Log; 1 Boat Compass Gig; 1 Lead Coasting 25 lbs; 1 Handlead 7 lbs; 1 Alidade; 1 Protractor 3 armed; 1 Log Rotator; 1 Book on Stars, (Rossiter) 3 Spare Shades Red light Funnel Red .72; 1 Spare Shade White light Funnel Gpr .72. 2 Boxes Packing Cartridges Rev. Cal 38; 108 Spinners. Steel vent closing; 5000 Cartridges Revolver Cal 38; 1 Target Frame, 1 Gun Short Gatling Cal 45 complete with carriage; 1 Tripod No 35 with shoes & 3 short legs for short Gatling.
Lieut U.S.N.
Lieut. U.S.N.
from SW. Received.
6. Ry Mason Field.
Ensign U.S.N.
noon light - last hour
ice fell. 20 lbs pot ash.
Lieut U.S.N.
hours. Breezes
SW.
Lieut. U.S.N.

Examined and found to be correct.

Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Saturday July 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast squally & heavy rain. Gentle to stiff breeze from SW.
C. Ry Mason Jr.
Ensign U.S.N.

4 to 8 AM.
Overcast. Raining first three hours. Moderate gale blowing in squalls from SW. Recd for use of crew 89 lbs bread.
Jno Hutchman
Asst U.S.N.

8 AM to Mid
Overcast. Moderate breeze from SW. with frequent stiff squalls. Barometer rising. J. O. Brockenbober (OS) & Alb E. Durand (Boy) absent without leave.
[illegible]
Asst. U.S.N.

Mid to 4 PM
Overcast. Moderate to stiff breeze from SW. Received stores as per list.
C. Ry Mason Jr.
Ensign U.S.N.

4 to 8 PM.
Cloudy. Clearing weather. Star & moonlight. Last hour moderate breeze from SW. Recd 120 lbs hair felt. 20 lbs pot ash and 25 yds canvas in Engr. Depot.
[illegible]
Asst. U.S.N.

8 PM to Mid.
Fair first hour, cloudy last three hours. Breeze moderate to stiff and fresh in squalls from SW.
Lt. K. Clemens
Asst. U.S.N.

Examined and found to be correct.

Lt. K. Clemens
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Al- Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SW	4-6			30.15	69	53	54		o c	nimb	0	
2				"	"	4-5			30.16	69	53	54		b c	"	5	
3				"	"	4			30.16	73	52	52		b	none	10	
4				"	"	4			30.16	71	52	52		"	"	10	
5				"	"	4-5			30.19	70	52	51		b c	cumc	8	
6				"	"	3-4			30.21	70	50	51		b c	"	6	
7				"	"	3-4			30.23	70	50	50		"	cir cumc	6	
8				"	"	3-4			30.24	66	48	47		"	"	8	
9				"	"	3			30.27	67	48	47		"	"	8	
10				"	"	4			30.29	71	48	47		"	"	8	
11				"	"	3-5			30.30	72	49	48		b c g	"	2	
Noon.				"	"	3-5			30.30	73	49	48		o c g	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1575 "

Coal consumed during the preceding 24 hours, 1 tons 60 lbs.

Coal remaining on hand at Noon, 102 " 370 "

P. M.																	
1				Sby E	SW	4			30.30	74	49	49		o c	nimb	0	
2				"	"	3			30.31	74	49	48		"	"	0	
3				"	"	3			30.31	74	49	49		"	"	0	
4				"	"	3			30.31	75	50	49		"	"	0	
5				"	"	2			30.32	77	50	50		"	"	0	
6				"	"	2			30.33	78	51	51		"	"	0	
7				"	WSW	2			30.33	78	51	51		"	"	0	
8				"	"	2			30.33	79	51	51		b c	"	2	
9				"	"	2			30.33	78	51	51		"	cir cumc	2	
10				"	"	2			30.34	76	51	50		"	"	4	
11				"	"	1			30.34	73	49	49		b c 20	"	6	
Mid.				"	"	1			30.34	72	49	49		"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday July 12th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Overcast - clearing later part; barometer steady
Moderate to fresh breeze from S W.

J. H. Newton
Lieut - U. S. N.

4 to 8 am.
Clear & pleasant weather. Moderate to gentle breeze from S W. Rec'd 116 lbs fresh beef, 115 lbs vegetables & 92 lbs bread ice Pay Dept for issue to crew.

~~J. H. Newton~~
Lieut - U. S. N.

8 am to Merid
Partly clear, gentle to stiff breeze from S W. Mustered at quarters. A. E. Durakes (Boy) & J. D. Brockenbourg (OS) absent without leave.

W. Ryan Mackenzie Hall.
Ensign U. S. N.

Merid to 4 pm
Overcast; barometer steady. Moderate to gentle breeze from S W.

J. H. Newton
Lieut - U. S. N.

4 to 8 pm.
Generally overcast, light to gentle breze from S by W & S W.

W. Ryan Mackenzie Hall
Ensign U. S. N.

8 pm to Mid.
Cloudy, barometer steady. Light breze from W S W.

J. H. Newton
Lieut - U. S. N.

Examined and found to be correct.

E. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	W S W	2			30.37	70	49	49		0 c	rain	0	
2				"	"	2			30.37	69	49	49		"	"	0	
3				"	"	2			30.37	68	48	48		"	"	0	
4				"	"	2			30.37	68	49	49		b c	"	8	
5				"	"	1			30.39	64	48	48		b c r	"	4	
6				"	"	2			30.39	65	46	46		"	cir rain	8	
7				"	"	2			30.44	60	47	47		"	"	8	
8				"	"	2			30.44	63	46	46		b c m	"	8	
9				"	"	2			30.48	74	46	46		b c m	"	5	
10				"	S W	1			30.50	76	49	49		"	"	5	
11				"	"	1			30.51	74	51	51		"	cir rain	4	
Noon.				"	S E	2			30.52	74	52	52		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 520 gallons.

Water Distilled during the preceding 24 hours, 120 "

Water remaining on hand fit for use at Noon, 1145 "

Coal consumed during the preceding 24 hours, tons 1488 lbs.

Coal remaining on hand at Noon, 101 " 1122 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				S by E	E by E	1			30.51	74	53	53		b c m	cir cum	4	
2				"	E	1			30.51	73	53	53		"	"	5	
3				"	"	1			30.51	73	53	53		"	"	6	
4				"	"	1			30.51	73	53	53		"	"	7	
5				"	N E	1			30.51	77	53	53		b c	"	7	
6				"	"	1			30.51	77	53	53		"	"	7	
7				"	"	1			30.49	74	53	53		b c r	"	7	
8				"	N E	1			30.50	75	53	53		b r	"	10	
9				"	S W	1			30.51	69	53	52		b c m r	cir rain	5	
10				"	East	1			30.53	69	53	52		"	"	3	
11				"	"	1			30.54	70	51	51		"	"	1	
Mid.				"	S E	1			30.54	69	51	51		"	"	1	

under the command of Commander A. S. Snow, U. S. Navy,

Monday July 13th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM
Cloudy most of watch, clearing last hour. Light breeze from WSW.
D. Preston
Ensign U.S.N.

4 to 8 AM
Generally clear, light airs to light breeze from WSW.
W. Ray Wear Jr'd
Ensign U.S.N.

8 AM to Merid
Cloudy and pleasant. Barometer steady. Light breeze and light airs from SW & SE. Absent without leave A. E. Dupand (Boy) A. Nielsen (Ldy). Declared J. O. Spockenbourer (OS) a deserter from date.
J. J. Newton
Lieut U.S.N.

Merid to 4 PM.
Partially cloudy. Light airs from ENE & NE. At 1.45 started coaling ships draught forward 13'10"; amid ships 14'10" aft 15'10". Sent liberty party ashore. At end of watch had received on board about 2 tons of coal.
D. Preston
Ensign U.S.N.

4 pm to 8 pm
Clear & pleasant. Barometer steady. Light airs from NNE & NE. Stopped coaling at 4.40
J. J. Newton
Lieut U.S.N.

8 pm to Mid.
Partially cloudy. Light airs from SW, East & SE.
D. Preston
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	South-	1			30.57	67	52	51		b c m	cir cum	2	
2				"	NNE	1			30.57	64	53	52		"	"	1	
3				"	"	2			30.56	67	54	53		"	"	2	
4				"	"	1			30.57	69	52	52		"	"	4	
5				"	East-	2			30.52	66	53	52		b c	cumu	4	
6				"	ENE	3			30.51	66	52	52		"	"	6	
7				"	NE	2			30.53	66	52	52		o c	cumulo-	0	
8				"	"	2			30.52	66	51	51		b c	"	1	
9				"	"	2			30.53	67	53	53		"	nimb	1	
10				"	"	2			30.56	64	56	56		"	"	1	
11				"	"	2			30.57	65	56	56		a c	"	0	
Noon.				"	"	2			30.58	67	56	58-		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at Noon, 21450- "

Coal consumed during the preceding 24 hours, 1 tons 656 lbs.

Coal remaining on hand at Noon, 100 " 466 "

P. M.										
1		S by E	E ME	2	30.57	69	53	53-	o c	nimb 0
2		"	"	2	30.54	74	54	54	"	" 0
3		"	"	2	30.56	74	54	54	"	" 0
4		"	"	2	30.56	75-	54	54	"	" 0
5		"	"	2	30.55-	74	54	54	b c	circum 4
6		"	"	3	30.54	76	54	54	"	" 5-
7		"	"	3	30.54	72	53-	54	"	" 8
8		"	"	3	30.53	72	53-	54	"	" 9
9		"	"	3	30.54	77	53-	53-	"	" 9
10		"	"	3	30.54	79	53-	53-	"	" 3
11		"	"	4	30.54	79	56	56	"	cir cum strat- 4
Mid.		"	"	3	30.54	77	55-	55-	"	" 6

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, July 14th, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM.
Cloudy. Hazy. Light airs to light breze from South first hour and after does from NNE.

Jas. F. Wolman
Lieut. U.S.N.

4 to 8 am
Cloudy & overcast. Barometer steady. Light to gentle breze from Ed. Commenced coaling at 7.30

J. Newton
Lieut. U.S.N.

8 am to Mrid
Cloudy. Light airs from NE. Finished coaling ship. A.E. Durand Boy was absent without leave. Draft of ship after coaling. Forward 14'; amid 15'3"; aft 16'6".

D. Mastone
Ensign U.S.N.

Mrid to 4 pm
Cloudy & part. Light breze from NE. Sent a liberty party ashore.

Jas. F. Wolman
Lieut. U.S.N.

4 to 8 pm.
Cloudy first part. Clearing last two hours. Light and gentle breges from ENE.

D. Mastone
Ensign U.S.N.

8 pm to Mid.
Fair. Gentle to moderate breze from ENE.

Jas. F. Wolman
Lieut. U.S.N.

Examined and found to be correct.

E. K. Smith
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	E NE	4			30.30	74	53	55		bc	cir cum	5	
2				"	"	4			30.47	71	55	53		"	"	6	
3				"	NE	4			30.45	69	56	53		"	"	9	
4				"	"	3			30.43	66	55	54		"	"	9	
5				"	"	3			30.44	64	54	54		bc 2o	cir	9	
6				"	"	3			30.42	62	54	53		bc	"	9	
7				"	"	3			30.42	58	54	54		"	cir ds	7	
8				"	"	3			30.41	69	54	54		"	"	8	
9				"	"	3			30.41	65	54	54		"	"	8	
10				"	"	3			30.41	71	55	55		"	"	8	
11				"	"	3			30.40	72	56	56		"	"	8	
Noon.				"	"	3			30.38	73	58	57		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 490 gallons.

Water Distilled during the preceding 24 hours, 1170 "

Water remaining on hand fit for use at Noon, 2835 "

Coal consumed during the preceding 24 hours, 1 tons 372 lbs.

Coal remaining on hand at Noon, 98 " 2194 "
60
158 "

P. M.								
1	S by E	NE	3	30.33	72 60 59	bc	cir cum strat	3
2	"	"	3	30.29	72 61 60	"	"	4
3	"	"	3	30.27	71 63 61	"	"	3
4	"	"	3	30.27	71 63 60	"	"	4
5	"	"	2	30.25	73 63 59	"	"	5
6	"	"	2	30.24	72 62 59	"	"	6
7	"	"	2	30.24	72 61 58	"	"	2
8	"	"	2	30.24	72 59 57	"	"	5
9	"	"	2	30.23	74 59 56	"	"	5
10	"	"	2	30.23	73 59 56	"	"	5
11	"	"	4	30.21	73 59 56	"	cir cum	1
Mid.	"	"	4	30.21	73 59 56	oc	"	0

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday July 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Partly cloudy first part, clear latter part. Moderate to gentle breze from ENE to NE. Barometer falling.

Lieut U. S. N.

4 to 8 a.m.
Clear & pleasant. Gentle breezes from NE. Rec'd ice Pay Dept. 92 lbs bread 115 lbs beef 115 lbs of vegetables.

Surgeon
Ensign U. S. N.

8 a.m to Merid
Clear & pleasant. Gentle breze from NE. At 9.30 mustered at quarters: A. E. Durand (Boy) absent. Had battalion drill. An Argentine Officer boarded the ships with thanks for our half masting the flag yesterday on the occasion of the funeral of an Argentine Sailor. The Argentine gunboat "Villarino" flying the Admirals flag, bearing the remains of Argentine Heroes, transferred here for burial, came in with colors half masted and yards cock billed. Paraded the guard as she passed and half masted the flag. Exchanged our second cutter for Talldegosa's cutter. At 11 the "Villarino" hauled down Admirals flag.

Lieut U. S. N.

Merid to 4 p.m.
Partly cloudy, pleasant weather. Gentle breze from NE.

Lieut U. S. N.

4 to 8 p.m.
Fair. Ring around the moon. Light breze from NE.

Lieut U. S. N.

8 a.m to Mid
Partly cloudy to cloudy. Light to moderate breze from NE.

Lieut U. S. N.

Examined and found to be correct.

A. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres; A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	3			30.21	71	38	36		oc	cir cum str	0	
2				"	"	4			30.21	70	38	35		bc	"	4	
3				"	"	4			30.19	69	37	33		oc	cir cum	0	
4				"	"	4			30.18	68	37	35		"	"	0	
5				"	"	3			30.14	68	37	33		"	cum nimb	0	
6				"	"	3			30.14	69	37	33		"	"	0	
7				"	NNE	3			30.14	68	37	33		oc l p	"	6	
8				"	North	2			30.14	66	37	36		"	"	0	
9				"	"	2			30.14	65	38	37		oc	nimb	0	
10				"	"	2			30.13	72	39	38		bc	cir nimb	4	
11				"	"	2			30.12	73	60	39		"	"	4	
Noon.				"	"	2			30.11	73	61	60		oc	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water Distilled during the preceding 24 hours, 420 "

Water remaining on hand fit for use at Noon, 2835 "

Coal consumed during the preceding 24 hours, tons 1750 lbs.

Coal remaining on hand at Noon, 98 " 4444 "
60
158 "

P. M.									
1	S by E	North-	1	30.06	71	63	62	oc	cir cum 0
2	"	"NE	1	30.01	68	63	62	"	" 0
3	"	NE	1	29.99	68	62	61	"	" 0
4	"	"	1	29.98	67	60	59	"	" 0
5	"	East-	2	29.94	65	57	56	bc	cir cum nimb 3
6	"	"	2	29.94	70	59	57	"	" 4
7	"	"	2	29.94	71	60	58	bcl	" 4
8	"	"	2	29.94	71	61	58	"	" 4
9	"	North-	1	29.93	68	62	59	"	" 4
10	"	"	1	29.92	72	63	60	bc	" 2
11	"	"	2	29.91	73	63	60	"	" 1
Mid.	"	"	2	29.91	72	64	60	"	" 1

under the command of Commander A. S. Snow, U. S. Navy,
Thursday, July 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Generally overcast; gentle to moderate breeze from NE.
W. Ry Blackburn Fitch.
Ensign U. S. N.

4 to 8 AM.
Overcast: Gentle to light breeze from NE to North: Passing showers with thunder Latter part: Recd for use of crew 92 lbs bread.
Geo. F. Worley
Lieut. U. S. N.

8 AM to Meid.
Cloudy but pleasant: Light breeze from North: At 9.30 inspected quarters & filled out boats for distant service. Steam launch paddy in 2m 12sec. Sl. launch in 3m 33sec. 1st cutter in 1m 50sec. 2nd cutter in 2m 38sec. Whale Boat in 3m 47sec. & Gig in 2m 08sec. A. E. Durand (Boy) declared a deserter from date. Recd 1056 lbs canned meat from U. S. S. "Tallapoosa". H. B. M. S. "Beagle" came in. The Comdg. Officer adjudged the following punishments viz: P. Dwyer (Boy) & O. P. Olsen (Lds) Fighting — Two midnight watches each. Thos. Erskine (L. Apsp. 2d) 2 hrs; Overtime — ped to 2nd class; 1 month. H. Steveson (S. Apsp 1d) & H. Rozen (S. Apsp 2d) Fighting — 2 midnight watches each. Thos. Shields (Pvt) Neglect of duty. — 12 hrs - 2 days
Geo. F. Worley
Lieut. U. S. N.

Meid to 4 pm.
Overcast & cloudy. Light airs from N. to NE. Barometer falling rapidly. Ast officer from H. B. M. S. Beagle called officially.
W. Ry Blackburn Fitch
Ensign U. S. N.

4 to 8 pm.
Partly cloudy, pleasant weather. Lightning last two hours. Light breeze from East.
Geo. F. Worley
Lieut. U. S. N.

8 pm to Mid.
Partly cloudy, light airs to light breeze from East.
W. Ry Blackburn Fitch.
Ensign U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	N E	1			29.91	70	64	61		o c	cir cum	0	
2				"	"	1			29.91	69	64	60		"	"	0	
3				"	"	1			29.89	68	63	60		"	"	0	
4				"	"	1			29.86	67	63	60		"	"	0	
5				"	N N W	3			29.84	66	62	59		b c	"	5	
6				"	"	3			29.83	65	62	59		"	"	8	
7				"	"	4			29.81	63	63	60		"	cir cum str.	4	
8				"	"	4			29.81	64	63	60		"	"	4	
9				"	"	4			29.81	69	63	61		"	"	3	
10				"	"	3			29.82	76	65	62		"	"	3	
11				"	"	3			29.84	80	66	63		"	Nimb	3	
Noon.				"	"	3			29.85	79	68	65		"	cir cum str.	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 435 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2400 "

Coal consumed during the preceding 24 hours, tons 1210 lbs.

Coal remaining on hand at Noon, 97 " 1474 "

6h 157 "

P. M.								
1	S by E	North-	2	29.83	75	69	66	b c	cir cum str.	2
2	"	"	2	29.81	73	69	66	"	"	5
3	"	N N W	1	29.80	72	69	66	"	"	5
4	"	"	1	29.79	71	69	66	"	"	5
5	"	"	1	29.79	71	68	66	b c m	"	5
6	"	"	1	29.79	72	68	66	"	"	7
7	"	"	1	29.79	71	68	66	o c m	cir strat	0
8	"	N E	1	29.80	71	67	65	"	"	0
9	"	N N E	2	29.77	71	66	65	"	"	0
10	"	N N W	2	29.77	69	66	65	"	"	0
11	"	"	2	29.78	70	66	65	"	"	0
Mid.	"	"	2	29.80	70	66	65	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Friday, July 17th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Overcast - Barometer steady. Light airs from NE. W. Stevens (Sappd) P. Dwyer (Boy) W.P. Olsen (Lds) & H. Rogers (Sappd) stood 4 hrs extra watch by order of Comdg. Officer.

W. J. Newton
Lieut. U. S. N.

4 to 8 AM.

Partly cloudy but pleasant. Gentle to moderate breeze from NW W. Read 115 lbs beef, 115 lbs vegetables & 92 lbs bread for use of crew.

W. J. Newton
Lieut. U. S. N.

8 AM to Merid.

Partly fair. Moderate to gentle breeze from NW W. Bent to general quarters at 9.30 First div ready in 1m 10 sec. 2nd div 0m 55 sec. 3rd div 0m 38 sec. Nav. div 1m 30 sec. Powd. div 1m 05 sec. Engr. div 0m 35 sec. Marine guard 0m 42 sec. Pay Dept 1m 12 sec. Surg div 0m 30 sec. Enlisted Wm Sheppard (Lds) for the cruise. The appointment of F. D. Taylor (P. Bdy) was revoked and he was discharged from the ship and the Naval Service. The Comdg. Officer of H.M.S. Beagle called officially

W. Ry Mann Field
Ensign U. S. N.

Merid to 4 PM.

Cloudy & warm. Barometer falling. Steadily and slowly Light breeze and light airs from North & NW W. Hoisted 1st cutter on top gallant forecastle for alteration of iron work.

W. J. Newton
Lieut. U. S. N.

4 to 8 PM.

Partly cloudy, light airs from NW.

W. Ry Mann Field
Ensign U. S. N.

8 PM to Mid.

Overcast, barometer low and fluctuating. Light breeze from N'd

W. J. Newton
Lieut. U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	North-	2			29.82	70	65	64		oc	cir. cumb	0	
2				"	"	2			29.81	69	65	64		"	"	0	
3				"	NW	2			29.81	68	65	64		"	"	0	
4				"	North-	2			29.81	68	66	64		oc cu	"	0	
5				"	NW	2			29.81	68	65	64		oc	cum cumb	0	
6				"	"	2			29.81	67	65	64		"	"	0	
7				"	"	2			29.81	65	66	66		"	"	0	
8				"	WSW.	3			29.81	65	66	65		oc cu q	cumb	0	
9				"	"	3			29.86	72	62	61		oc d	"	0	
10				"	"	2			29.92	80	61	60		oc	"	0	
11				"	"	2			29.92	81	62	61		bc	cir cum	2	
Noon.				"	South-	2			29.94	82	62	61		oc	cum str	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 384 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2016 "

Coal consumed during the preceding 24 hours, tons 1260 lbs.

Coal remaining on hand at Noon, 157 " 264 "

P. M.										
1		Sby E	SE	2	29.92	75	62	61	oc	cum str 0
2		"	SW	1	29.91	70	69	64	bc	cir cum strat. 8
3		"	"	3	29.91	67	63	59	"	" 8
4		"	"	3	29.92	69	63	59	"	cir cum cumb 8
5		"	South-	2	29.96	68	62	59	"	" 8
6		"	"	2	30.02	72	61	58	"	" 9
7		"	"	2	30.07	73	61	58	bcu	clear 10
8		"	"	2	30.10	74	61	58	"	" 10
9		"	"	1	30.13	74	60	58	"	" 10
10		"	"	1	30.15	74	60	57	"	" 10
11		"	SW	1	30.16	69	59	57	bcu cu	" 10
Mid.		"	"	1	30.17	67	58	56	bcu cu	cir cum 8

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, July 18th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast & cloudy. Misty last hour. Light breezes from North & W.N.W. H.E. Stevens (L. Apprtd), P. Dwyer (Boy) & O.P. Olson (Ldg) and H. Rogen (L. Apprtd) stood extra watch per order of Comdg Officer.

D. McStone
Ensign U.S.N.

4 to 8 AM.
Overcast, light breeze from NW hauling to WSW and strengthening. Barometer steady. Rec'd in Pay Dept. 92 lbs bread.

W. Reykenfield.
Ensign U.S.N.

8 AM to Merid.
Overcast, drizzling first hour. Barometer rising. Gentle to light breezes from W.S.W and South.

J. Wilcox
Lieut. U.S.N.

Merid to 4 PM.
Cloudy first hour. Clearing last three hours. Light airs to gentle breezes from S.E and S.W. Sent a liberty party ashore. The Comdg. Officer of the "Saida" called officially to take leave.

D. McStone
Ensign U.S.N.

4 to 8 PM
Clear & pleasant. Bright moonlight. Barometer rising. Light breeze from South.

J. Wilcox
Lieut. U.S.N.

8 PM to Midnight.
Clear & pleasant. Light airs from South and SW.

D. McStone
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West	2			30.16	67	57	55		b c nb	cir cum	7	
2				"	"	2			30.16	65	56	54		"	"	7	
3				"	"	2			30.17	65	56	53		"	"	7	
4				"	"	2			30.17	63	55	53		"	"	6	
5				"	SW	1			30.18	59	54	52		"	"	8	
6				"	"	2			30.19	58	54	51		"	"	9	
7				"	"	2			30.20	57	53	51		b c	"	7	
8				"	"	2			30.22	56	53	51		"	"	7	
9				"	WSW	1			30.23	62	54	52		"	"	7	
10				"	"	1			30.23	67	57	54		"	"	8	
11				"	E NE	1			30.24	70	59	57		b c m	"	7	
Noon.				"	"	1			30.24	73	61	59		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 358 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1658 "

Coal consumed during the preceding 24 hours, tons 1030 lbs.

Coal remaining on hand at Noon, 136 " 1774 "

P. M.													
1			S by E	E NE	1			30.24	74	63	61	b c	cir cum 5
2			"	"	1			30.22	71	63	61	"	" 5
3			"	E SE	1			30. 18	71	62	60	"	cir No 4
4			"	"	1			30. 19	70	62	60	"	" 4
5			"	"	2			30.17	70	61	59	"	" 3
6			"	"	2			30.17	76	62	61	"	" 3
7			"	"	2			30.18	77	63	62	"	" 4
8			"	"	2			30.18	80	62	61	"	" 4
9			"	East	2			30.22	81	62	61	"	" 5
10			"	"	2			30.24	78	61	60	"	" 4
11			"	"	1			30.24	75	62	61	"	" 4
Mid.			"	E NE	1			30.24	73	62	61	"	" 4

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, July 19th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and pleasant: Light breeze from West.
Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 a.m.
Clear and pleasant: Barometer steady. Light breeze from SW.
J. Wyckoff
Lieut. U. S. N.

8 a.m. to Merid.
Clear & pleasand. Light airs from WSW & ENE. At 9.30 inspected crew at quarters:
D. McDougall
Ensign U. S. N.

Merid to 4 p.m.
Fair. Light airs to light breeze from ENE to ESE.
The Austrian man of war "Saida" went out of the dock.
Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 p.m.
Cloudy. Light breezes from ESE.
D. McDougall
Ensign U. S. N.

8 p.m. to Mid.
Cloudy. Light breeze to light airs from East to ENE.
Geo. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

E. K. Lewis
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos-Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	1			30.24	70	61	60		b c m	cir	5	
2				"	"	2			30.23	69	61	60		"	"	2	
3				"	"	2			30.20	67	61	60		"	"	5	
4				"	"	1			30.20	66	60	59		"	"	4	
5				"	"	2			30.18	66	59	58		b c	circum	7	
6				"	"	2			30.17	66	59	58		"	"	8	
7				"	"	1			30.16	64	59	58		"	"	2	
8				"	ENE	3			30.16	62	58	57		o c	cum nimb.	0	
9				"	"	2			30.18	68	59	57		o c f l	"	0	
10				"	"	3			30.19	75	59	58		"	"	0	
11				"	"	3			30.18	77	60	59		"	"	0	
Noon.				"	NE	3			30.13	75	61	59		o c	nimb	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 368 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1290 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 156 " 264 "

P. M.													
1		S by E	NNE	2	30.11	74	62	61	o c d	nimb	0		
2		"	NE	2	30.07	73	62	61	o c	"	0		
3		"	ENE	2	30.02	71	62	61	"	"	0		
4		"	NE	1	30.00	72	62	61	"	"	0		
5		"	"	1	30.00	74	62	61	o c f	"	0		
6		"	"	1	30.00	80	63	62	"	cir cum	0		
7		"	"	2	29.98	78	65	64	"	"	0		
8		"	NNE	3	29.96	78	65	62	"	"	0		
9		"	"	3	29.94	78	65	62	o c	"	0		
10		"	"	4	29.90	78	65	62	"	"	0		
11		"	North	4	29.89	80	65	62	"	"	0		
Mid.		"	"	3	29.88	80	65	62	b c	cir cum nimb	4		

under the command of Commander A. S. Snow, U. S. Navy,
Monday July 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Partly cloudy. Obscured moonlight. Light airs to light breze from NE.

Lieut U. S. N.

4 to 8 AM
Clear and pleasant first two hours, clouding over last two hours. Light airs to gentle breezes from NW & ENE. Rec'd in Pay Dept 42 lbs bread.

Ensign U. S. N.

8 AM to Merid
Overcast & raw. Gentle breze from ENE & NE At 9.30 ran'shrs at quarters and had divisional drill. Discharged W. F. Burns (Lds) from the ship and the Naval Service. Enlisted Richard Thomas Pentecost as Lds for cruise of "Essex" Rec'd on board for use of crew 118 lbs each fresh meat and vegetables & 92 lbs bread. Hoisted 2nd cutter in on forecastle for overhauling. At 11 began distilling.

Lieut U. S. N.

Merid to 4 PM.
Cloudy clearing last half hour. Light breze to light airs from NNE to ENE. Barometer falling.

Lieut U. S. N.

4 to 8 PM.
Overcast. Thunder. Light airs to gentle breze from NE to NNE.

Lieut U. S. N.

8 PM to Mid
Cloudy first part clearing last hour. Gentle to moderate breezes from NNE to North. Barometer falling.

Lieut. U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	North-	2			29.85	74	65	63		bc	cir cum	4	
2				"	"	2			29.82	73	65	63		"	"	1	
3				"	"	2			29.79	70	66	63		ocl	nimb-	0	
4				"	"	2			29.76	69	64	62		ocptl	"	0	
5				"	"	2			29.72	69	64	61		ocltpg	"	0	
6				"	"	2-4			29.69	68	63	62		ocltpg	"	0	
7				"	"	3			29.68	68	64	63		oclpg	"	0	
8				"	"	3			29.68	68	64	63		oclfg	"	0	
9				"	"	2			29.67	71	64	63		oc f-l.	"	0	
10				"	"	2			29.67	77	66	65-		"	"	0	
11				"	"	2			29.67	78	66	65-		"	"	0	
Noon.				"	NE	3			29.65	80	68	65-		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 348 gallons.

Water Distilled during the preceding 24 hours, 1278 "

Water remaining on hand fit for use at Noon, 2220 "

Coal consumed during the preceding 24 hours, tons 2200 lbs.

Coal remaining on hand at Noon, 155 " 3014 "

P. M.														
1		SbyE.	NNE	3	29.67	78	68	65-	oc	nimb cirrocum	0			
2		"	NE	3	29.67	76	68	65-	"	"	0			
3		"	"	3	29.65-	75-	67	64	ocl-	"	0			
4		"	NNE	3	29.66	78	67	64	octlp	"	0			
5		"	NW	2	29.68	79	66	64	ocpl	nimb-	0			
6		"	NE	2	29.68	78	68	66	ocl	"	0			
7		"	North-	1	29.67	77	67	65-	ocm	"	0			
8		"	East-	1	29.65-	77	66	64	ocl	"	0			
9		"	ESE	1	29.66	78	66	64	ocltp	"	0			
10		"	South-	2	29.65-	78	65-	63	"	"	0			
11		"	"	1	29.68	78	64	63	"	"	0			
Mid.		"	"	1	29.70	78	63	62	"	"	0			

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, July 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.

Cally - clear first part, then overcast and rainy with lightning. Barometer falling.

W. Ry Mann Gill.
Ensign U.S.N.

4 to 8 a.m.

Overcast and gloomy. Heavy thunder storm first part with very heavy rain. Light to gentle breeze from North with moderate squalls the second hour. Rec'd for use of crew 92 lbs bread.

Geo. F. W. Holman
Lieut. U.S.N.

8 am to Mezid

Cloudy & gloomy with heavy rain most of the watch. Light to gentle breeze from North shifting to NE last hour.

[illegible]
Lieut. U.S.N.

Mezid to 4 pm.

Overcast & rainy, gentle breeze from NNE to NE & Calm.

W. Ry Mann Gill.
Ensign U.S.N.

4 to 8 pm.

Overcast & cloudy with rain first hour. Light breeze and light airs pauging from NNE to NW then from North to East.

[illegible]
Lieut. U.S.N.

8 pm to Mid.

Overcast, cloudy heavy rain with lightning. Light airs to light breeze from ESE to South.

W. Ry Mann Gill.
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres U. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SSE	3			29.82	75	62	60		o c p.	nimb	0	
2				"	East	3			29.80	71	62	60		"	"	0	
3				"	SE	3			29.80	72	62	60		o c d	"	0	
4				"	SSE	4-5			29.79	71	59	58		a c g	"	0	
5				"	"	3-5			29.79	70	58	56		a c g d	"	0	
6				"	"	3-5			29.79	69	56	53		"	"	0	
7				"	SE by S	3-5			29.80	67	56	53		"	"	0	
8				"	SE	4-6			29.81	69	56	54		"	"	0	
9				"	SSE	4-5			29.84	76	56	53		o c d	"	0	
10				"	"	4-5			29.86	76	54	53		"	"	0	
11				"	"	4-6			29.86	75	54	53		"	"	0	
Noon.				"	"	4-5			29.84	78	53	52		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water Distilled during the preceding 24 hours, 965 "

Water remaining on hand fit for use at Noon, 2850 "

Coal consumed during the preceding 24 hours, tons 1930 lbs.

Coal remaining on hand at Noon, 154 " 614 "

P. M.																	
1				Sby E	SSE	4			29.82	76	53	52		o c	cumulus	0	
2				"	"	4			29.79	72	54	53		o c m	"	0	
3				"	"	4-6			29.77	70	54	53		o c g r	"	0	
4				"	"	4-6			29.74	68	54	53		"	"	0	
5				"	"	5-6			29.78	74	53	52		"	"	0	
6				"	"	5-6			29.82	78	52	51		o c d g	"	0	
7				"	"	5-6			29.82	76	51	50		o c r g	"	0	
8				"	"	5-6			29.83	73	50	49		"	"	0	
9				"	"	5-6			29.85	74	48	47		"	"	0	
10				"	"	5-6			29.87	74	48	46		o c r	"	0	
11				"	"	5-6			29.88	72	47	46		"	"	0	
Mid.				"	"	5			29.89	71	47	45		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday, July 22nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.

Overcast - raining at times. Barometer falling slowly. Wind from S'd & E'd freshening at end of watch.

J. T. Newton
Lieut. U. S. N.

4 to 8 a.m.

Overcast - cloudy & threatening weather. Gentle breeze with frequent stiff squalls. Stopped distilling. Rec'd 115 lbs. fresh meat, 115 lbs. vegetables & 92 lbs. bread for use of crew.

Lieut. U. S. N.

8 a.m. to Merid.

Overcast & drizzling, moderate to stiff breeze from S & E.

W. Ry Mason Asst.
Ensign U. S. N.

Merid to 4 p.m.

Overcast, raining at times. Barometer falling. Moderate to fresh breeze from S & E.

J. T. Newton
Lieut. U. S. N.

4 to 8 p.m.

Overcast, squally and raining. Moderate to fresh breeze from S & E.

W. Ry Mason Asst.
Ensign U. S. N.

8 p.m. to Mid.

Overcast, raining steady. Fresh breeze from S & E. Bar. steady

J. T. Newton
Lieut. U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSE	3-5			29.89	68	47	45		o c g r	rainb	0	
2				"	"	3-5			29.92	68	47	45		"	"	0	
3				"	"	3			29.93	67	47	46		o c r	"	0	
4				"	"	3-4			29.94	66	47	46		"	"	0	
5				"	"	3-4			29.95	64	47	44		b c g	"	1	
6				"	"	2-3			29.98	64	48	45		"	"	1	
7				"	South	3-5			30.01	58	47	46		"	cir rainb	7	
8				"	SSW	3-5			30.07	56	47	45		"	"	7	
9				"	"	4-5			30.13	71	47	45		"	"	7	
10				"	"	4-5			30.18	72	48	45		"	"	7	
11				"	South	4-5			30.22	72	49	46		"	"	7	
Noon.				"	"	4			30.24	77	50	47		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 315 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 25335 "

Coal consumed during the preceding 24 hours, tons 11144 lbs.

Coal remaining on hand at Noon, 153 " 1710 "

P. M.														
1			S by E	South	4			30.25	71	51	48	b c	cir cum	7
2			"	"	4			30.28	67	51	47	"	"	6
3			"	"	3			30.27	73	52	47	"	"	6
4			"	"	3			30.29	79	52	48	"	"	6
5			"	"	2			30.29	82	53	49	"	"	5
6			"	"	1			30.31	82	53	49	"	"	5
7			"	"	1			30.31	81	53	50	b c r	cir rb	8
8			"	SW	1			30.33	80	54	51	b m r	rainb	10
9			"	West	1			30.32	79	53	51	b r	cir cum	10
10			"	"	1			30.32	77	53	51	b m r	"	10
11			"	"	1			30.31	74	53	50	"	"	10
Mid.			"	"	1			30.31	74	52	49	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, July 25th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast - cloudy & rainy. Gentle to fresh breezes blowing in squalls from SSE.

D. Wilson
Ensign U.S.N.

4 to 8 AM
Partly clear squally. Gentle to stiff breze from SSE to SSW. Barometer rising. Rec'd in Pay Dept 92 lbs bread.

W. R. Watson Asst.
Ensign U.S.N.

8 AM to Merid.
Bright and pleasant. Moderate to fresh breze from SSW and South. All 930 quarters - no absentees. Overhauled boat boxes. "Saida" went out and "Villarino" was towed into Dock 1.

J. T. Newton
Lieut. U.S.N.

Merid to 4 PM.
Fair. Gentle and moderate breezes from South. Exercised Engs. Div. at small arms: Went to quarters at 3.15 and turned in scrubbed bags: Sent liberty party on shore

D. Watson
Ensign U.S.N.

4 to 8 PM.
Clear & pleasant. Barometer steady. Light airs from South and SW.

J. T. Newton
Lieut. U.S.N.

8 PM to Mid.
Clear and pleasant. Heavy dew. Light airs from West.

D. Watson
Ensign U.S.N.

Examined and found to be correct.

G. K. Cannon
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NW	1			30.32	73	52	50		b w	none	10	
2				"	WNW	2			30.31	67	52	49		b c w	circum	9	
3				"	"	2			30.29	63	49	47		"	"	9	
4				"	"	2			30.28	60	49	46		"	"	9	
5				"	"	3			30.24	58	48	45		b	none	10	
6				"	"	4			30.24	55	46	44		"	"	10	
7				"	"	2			30.24	55	48	46		b c	circum	8	
8				"	"	4			30.24	53	47	45		"	"	9	
9				"	"	4			30.26	62	49	47		"	"	9	
10				"	"	4			30.28	67	53	51		b	none	10	
11				"	"	4			30.28	67	55	52		"	"	10	
Noon.				"	"	4			30.28	67	57	54		"	"	10	

Course and distance made good since preceding noon by observations, knots , tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2115 "

Coal consumed during the preceding 24 hours, tons 1282 lbs.

Coal remaining on hand at Noon, 153 " 1428 "

P. M.														
1				S by E	WNW	4			30.26	70	57	53	b c	cir cumu str.	8	
2				"	"	4			30.25	70	59	53	"	"	8	
3				"	"	4			30.24	70	60	57	"	"	9	
4				"	"	4			30.23	70	61	57	"	"	9	
5				"	"	3			30.25	71	61	58	"	"	9	
6				"	"	3			30.25	75	62	58	b	none	10	
7				"	"	3			30.25	73	63	59	"	"	10	
8				"	NW	3			30.26	70	61	57	"	"	10	
9				"	"	3			30.26	75	60	56	"	"	10	
10				"	"	3			30.26	75	59	55	"	"	10	
11				"	"	3			30.28	75	59	55	"	"	10	
Mid.				"	"	3			30.28	70	58	54	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Friday July 24th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear and cool. Light airs to light breeze from NW and WNW. Heavy dew. Bright moonlight.

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 AM.
Clear and pleasant. Barometer steady. Light to moderate breeze from WNW. Received in Pay Dept. 115 lbs. fresh beef, 115 lbs. fresh vegetables & 92 lbs. soft bread.

J. T. Hawkins
Lieut. U. S. N.

8 AM to Merid.
Clear & pleasant. Moderate breeze from WNW. At 9.30 went to general quarters times as follows 1st Divn 2 3 sec, 2nd Div 1 min 18 sec, 3rd Div 1 12 sec, Navy 1 min 12 sec, Powow 2.21 sec, Engr Div 0 min 08 sec, Marine Guard 1 min 08 sec, Pay Dept 1 min 08 sec. Tested Magazine and gunCotton lockers, flood cocks and found them to be in good order.

D. Pistorius
Ensign U. S. N.

Merid to 4 PM.
Clear and pleasant. Moderate breeze from WNW. Unrove the running rigging and broke out the provisions from below, trucing them up to air. Sent a liberty party ashore.

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 PM.
Clear and pleasant. Gentle breezes from WNW & NW.

D. Pistorius
Ensign U. S. N.

8 PM to Midnight
Clear and cool. Gentle breeze from NW.

Geo. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

L. U. Lewis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Buenos Ayres S.A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NW	3			30.26	70	56	54		b 10	none	10	
2				"	"	3			30.28	67	56	54		"	"	10	
3				"	"	3			30.24	66	53	53		"	"	10	
4				"	"	3			30.24	64	54	52		"	"	10	
5				"	"	3			30.25	60	54	51		"	"	10	
6				"	"	3			30.25	61	53	51		"	"	10	
7				"	"	2			30.26	53	51	50		b c m	cir	8	
8				"	"	3			30.25	57	52	50		"	"	9	
9				"	"	3			30.27	68	53	53		"	"	9	
10				"	"	2			30.30	73	58	58		"	cir. cum	7	
11				"	"	2			30.30	72	60	57		"	"	8	
Noon.				"	"	2			30.29	73	62	58		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 17440 "

Coal consumed during the preceding 24 hours, tons 1086 lbs.

Coal remaining on hand at Noon, 152 " 1582 "

P. M.											
1	S by E	NNW	2	30.30	73	62	59	b c m	cir str	8	
2	"	"	2	30.28	72	63	60	"	"	9	
3	"	"	1	30.26	72	63	60	b m	none	10	
4	"	NNE	2	30.26	75	62	59	"	"	10	
5	"	"	3	30.26	75	62	59	"	"	10	
6	"	"	2	30.25	79	61	58	"	"	10	
7	"	"	2	30.26	79	62	59	b 10	"	10	
8	"	"	2	30.26	79	62	59	"	"	10	
9	"	"	2	30.28	79	63	59	"	"	10	
10	"	"	2	30.28	77	65	61	"	"	10	
11	"	"	2	30.28	75	65	61	"	"	10	
Mid.	"	"	2	30.28	74	62	58	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,
Saturday July 25th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear and cool. Bright moon & star light. Gentle breeze from NW.

~~A. Greene~~
Lieut. U. S. N.

4 to 8 a.m.
Clear & pleasant. Light and gentle breezes from NW.
Recd in Pay Depot 92 lbs fresh bread.

D. McStone
Ensign U. S. N.

8 a.m. to Mer'd
Hazy but pleasant. Gentle to light breeze from NW.

~~Geo. Gutteridge~~
Lieut. U. S. N.

Mer'd to 4 p.m.
Clear & pleasant, misty along horizon. Light breeze and light airs from NNW. Recd 60 gals molasses in Pay Depot. also the following items sent out from the Navy Yard: 50 undershirts heavy, 100 undershirts light, 100 pair drawers, 50 pair calf shoes, 600 white hats, 200 pair cotton socks, 12 P.O. caps, 6 6 & 6 caps, 12 All Ds caps, 75 yds trouser cloth, 814 yds flannel 1086 pieces linen tape, 15 75 spools sewing silk, 100 papers needles, 48 doz eagle buttons (med) 120 doz ivory buttons (small) 180 doz rubber buttons (small), 50 shaving brushes, 50 blacking brushes, 100 agate plates, 2000 lbs tobacco, 5025 lbs D.S. soap, 50 cakes shaving soap, 240 boxes blacking, 900 lbs candles.

~~A. Greene~~
Lieut. U. S. N.

4 to 8 p.m.
Hazy but pleasant. Heavy dew latter part. Gentle to light breze from NNE. Engaged in stowing provisions below.

~~Geo. Gutteridge~~
Lieut. U. S. N.

8 to Mid.
Clear & pleasant. Heavy dew. Light breze from NNE.

~~A. Greene~~
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	3			30.28	78	60	57		b	Nimbi	10	
2				"	"	3			30.27	70	60	56		"	"	10	
3				"	"	3			30.25	68	58	55		"	"	10	
4				"	"	3			30.23	64	58	55		"	"	10	
5				"	NNW	4			30.21	67	56	54		"	"	10	
6				"	"	4			30.19	60	56	53		"	"	10	
7				"	"	4			30.19	60	56	53		"	"	10	
8				"	"	3			30.18	60	56	54		"	"	10	
9				"	NW	3			30.23	68	59	55		"	"	10	
10				"	"	3			30.25	67	59	56		b c m	cir cumn	9	
11				"	"	3			30.25	68	60	57		b c	cir cumn	8	
Noon.				"	"	3			30.24	68	60	57		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 332 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1408 "

Coal consumed during the preceding 24 hours, tons 1273 lbs.

Coal remaining on hand at Noon, 152 " 309 "

P. M.												
1		S by E	NNW	3	30.23	69	63	58	b c	cir Strs	6	
2		"	"	3	30.21	69	64	60	"	"	4	
3		"	West	1	30.20	69	63	60	"	"	4	
4		"	NW	1	30.20	70	63	61	"	"	6	
5		"	"	1	30.22	70	64	60	"	"	4	
6		"	"	1	30.22	70	64	60	"	"	5	
7		"	"	1	30.22	71	64	60	"	"	5	
8		"	"	1	30.23	71	63	60	"	"	8	
9		"	WNW	1	30.25	74	61	57	b m	none	10	
10		"	NW	1	30.25	72	61	58	b m	"	10	
11		"	West	1	30.25	69	58	55	"	"	10	
Mid.		"	"	2	30.27	70	58	55	b c m	cir Strs	9	

under the command of Commander A. S. Snow, U. S. Navy,
Sunday, July 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am
Clear & fine, gentle breeze from NNE.
W. Roy Karn Fuld.
Ensign U. S. N.

4 to 8 am
Clear & cool. Moderate to gentle breze from NW. Receives for mess of crew 115 lbs. each fresh beef and vegetables & 92 lbs. soft bread. Lieut. H. Haines was granted 3 days leave and Pay Clerk H. Dean 48 hrs leave.
Jno. Lee Hoffman
Lieut U. S. N.

8 am to Merid.
Clear & pleasant. Gentle breze from NW. At 9.30 mustered & inspected crew at quarters, at 10 Comdg Officer inspected berth deck. Enlisted as Voltaire Menier as Landsman for cruise of Essex.
~~Jno. Lee Hoffman~~
Lieut U. S. N.

Merid to 4 pm.
Clear & pleasant, gentle breze from NNW hauling to light airs from West.
W. Roy Karn Fuld.
Ensign U. S. N.

4 to 8 pm.
Partly cloudy, pleasant weather. Light airs from NNW.
~~Jno. Lee Hoffman~~
Lieut U. S. N.

8 pm to Mid.
Clear & fine, Light airs from NW. to W.
W. Roy Karn Fuld.
Ensign U. S. N.

Examined and found to be correct.

Lee K. Lewis
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West-	1			30.28	70	38	34		b c	cir nimb	4	
2				"	SW	2			30.28	69	36	34		b c m	"	1	
3				"	"	2			30.29	67	34	32		"	"	7	
4				"	SSW	2			30.31	69	32	60		"	cir cumu	9	
5				"	"	3			30.33	69	37	49		b m	none	10	
6				"	South-	3			30.36	67	47	49		b c m	cir	9	
7				"	"	3			30.37	61	48	46		b c	cir cumu strat-	7	
8				"	"	3			30.38	58	47	46		b c m	"	8	
9				"	"	3			30.38	61	47	46		b	none	10	
10				"	SSE	3			30.43	66	49	47		"	"	10	
11				"	"	3			30.44	68	37	48		"	"	10	
Noon.				"	"	3			30.45	69	52	49		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1408 gallons.

Water during the preceding 24 hours, 1444 "

Water remaining on hand fit for use at Noon, 1152 "

Coal consumed during the preceding 24 hours, tons 1255 lbs.

Coal remaining on hand at Noon, 151 " 1294 "

P. M.														
1			S by E	SSE	3		30.46	70	37	50	b	none	10	
2			"	"	3		30.46	70	35	50	"	"	10	
3			"	"	3		30.46	72	36	51	"	"	10	
4			"	"	3		30.46	72	36	56	"	"	10	
5			"	"	2		30.47	70	36	52	"	"	10	
6			"	"	1		30.48	70	35	52	"	"	10	
7			"	"	1		30.49	77	35	52	b m	"	10	
8			"	SW	1		30.60	78	35	52	"	"	10	
9			"	"	1		30.47	76	37	51	"	"	10	
10			"	"	1		30.47	75	35	50	"	"	10	
11			"	"	1		30.46	82	33	50	"	"	10	
Mid.			"	"	1		30.47	70	33	49	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,
Monday July 27th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Cloudy clearing latter part: Barometer steady. Light airs and breezes from W'd and S'd & W'd.

W. Reynolds
Lieut. U. S. N.

4 to 8 AM.
Clear and pleasant: Gentle breeze from SSW & South: Rec'd 116 lbs. each fresh beef and vegetables & 92 lbs. bread for use of crew.

Lieut U. S. N.

8 AM to Merid.
Clear and fine, gentle breeze from S & SSE. Mustered and inspected at quarters & exercised at routine drills. The Comdg. Officer adjudged the following punishments: C. P. Olson (Ldsm) & H. Rogers (Sea. App'd) Not remaining on their feet as directed, during extra watch — each 4 extra midnight watches: B. Bertelsen (Sea) Dirty box adrift about decks — 2 midnight watches: C. Boothby (OS) Using officers water closet — 6 extra midnight watches:

W. Ray Mason Jr.
Ensign U. S. N.

Merid to 4 PM.
Clear & pleasant: Barometer steady. Gentle breeze from SSE.

W. Reynolds
Lieut. U. S. N.

4 to 8 PM.
Clear & pleasant; light airs from SSE & SSW.

W. Ray Mason Jr.
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant: Barometer steady. Light airs from SW.

W. Reynolds
Lieut. U. S. N.

Examined and found to be correct.

A. K. Austin
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S W	1			30.45	62	52	48		b 70	none	10	
2				"	S W	2			30.48	58	51	47		"	"	10	
3				"	West	2			30.44	55	48	45		"	"	10	
4				"	W N W	2			30.40	55	48	45		"	"	10	
5				"	"	1			30.38	56	48	45		b	"	10	
6				"	West	2			30.39	54	47	44		"	"	10	
7				"	"	2			30.39	56	48	45		b c	cum	9	
8				"	W S W	2			30.42	60	47	44		b cm	"	9	
9				"	"	2			30.46	71	48	45		"	"	9	
10				"	West	2			30.47	72	51	48		b m	none	10	
11				"	"	2			30.46	72	54	51		"	"	10	
Noon.				"	W N W	2			30.46	73	56	53		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 333 gallons.

Water Distilled during the preceding 24 hours, 1327 "

Water remaining on hand fit for use at Noon, 2144 "

Coal consumed during the preceding 24 hours, 1 tons 250 lbs.

Coal remaining on hand at Noon, 150 " 10144 "

P. M.																	
1				S by E	North	2			30.39	65	57	53		b	none	10	
2				"	"	1			30.36	64	58	54		"	"	10	
3				"	"	1			30.34	63	57	53		"	"	10	
4				"	"	1			30.34	63	57	53		b c	cir str	5	
5				"	E N E	2			30.35	68	55	51		"	cir cum str.	6	
6				"	"	2			30.35	74	55	51		"	"	5	
7				"	"	2			30.36	74	57	54		b 70	none	10	
8				"	"	2			30.36	73	56	53		"	"	10	
9				"	"	2			30.34	68	56	53		"	"	10	
10				"	N E	2			30.34	66	56	53		"	"	10	
11				"	"	2			30.34	68	55	52		"	"	10	
Mid.				"	"	2			30.34	64	57	54		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday July 28th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences: and until 4 AM.
Clear & pleasant: Heavy dew. Light airs & breezes from SW to NW.

C. Alexson
Ensign U. S. N.

4 to 8 AM
Clear & pleasant: light breeze from NW to SSW. Rec'd for use of crew 93 lbs. fresh bread.

W. Ray Dean Jr.
Ensign U. S. N.

8 AM to Merid.
Bright and pleasant. Barometer steady Light breeze from N'd. At 9.30 quarters, then fire quarters 1st stream 30 sec, 2nd stream 57 sec, 3rd stream 54 sec, 4th stream 1m 32 sec. Rec'd in Equipt. Dept. 100 gals olive oil, 1 barrel lime, 90 fms 3½ in manilla rope.

J Wheeler
Lieut. U. S. N.

Merid to 4 PM.
Clear and pleasant first three hours clouding over last hour. Light airs & breezes from North. Sent liberty party ashore Sent to quarters & sprayed out clean hammocks: Rec'd in Pay Dept: 6 bbls vinegar 36 gals; 12 bbls flour 1440 lbs; 11 bbls bread 1000 lbs; 3 bbls molasses 36 gals; 9 bbls beans 149 gals; 10 bbls pork 2000 lbs; 24 cases pickles 576 lbs; 3 Tierces beef 900 lbs; 11 bbls sugar 1540 lbs; & 2 packages tea 96 lbs: U. S. S. "Beagle" left the dock.

C. Alexson
Ensign U. S. N.

4 to 8 PM.
Clear & pleasant: Barometer steady. Light breeze from E by E.

J. J. Hunter
Lieut. U. S. N.

8 PM to Mid.
Clear, bright starlight: Heavy dew. Light breeze from E by E and NE. Distilling.

Lieut. U. S. N.

Examined and found to be correct.

C. K. Lewis
Navigator.
Lieut.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres; A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North-	3			30.34	67	56	53		b	none	10	
2				"	"	3			30.34	67	55	52		"	"	10	
3				"	"	3			30.34	67	56	53		"	"	10	
4				"	"	2			30.32	66	55	52		"	"	10	
5				"	"	2			30.32	66	54	51		"	"	10	
6				"	NNE	2			30.32	66	55	52		"	"	10	
7				"	NE	3			30.32	65	54	52		bc	cir cum	9	
8				"	"	3			30.32	63	51	49		"	cir	9	
9				"	"	3			30.31	63	51	49		"	cir cum strat.	7	
10				"	"	3			30.32	63	52	50		"	"	6	
11				"	"	3			30.32	64	52	50		"	"	5	
Noon.				"	ENE	3			30.32	65	53	50		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at Noon, 3024 "

Coal consumed during the preceding 24 hours, 1 tons 60 lbs.

Coal remaining on hand at Noon, 149 " 984 "

P. M.									
1		S by E	ENE	2	30.32	66	54	52	bc	cir cb	4
2		"	East-	2	30.32	68	56	53	"	"	4
3		"	ESE	2	30.30	68	54	52	"	"	1
4		"	"	2	30.30	70	55	53	oc	"	0
5		"	East	2	30.29	72	56	54	"	"	0
6		"	"	2	30.28	78	57	55	"	"	0
7		"	"	3	30.29	76	58	56	bc	"	5
8		"	ENE	3	30.30	76	58	55	"	"	5
9		"	"	4	30.31	71	58	55	oc	mist	0
10		"	"	4	30.32	70	58	55	"	"	0
11		"	"	4	30.33	69	57	54	bc	cir cum	4
Mid.		"	"	4	30.34	68	57	54	"	cir cum mist.	9

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday July 29th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant: Gentle breezes & airs from North:
Jas Holman
Lieut. U. S. N.

4 to 8 a.m.
Clear and pleasant. Barometer steady. Light to gentle breeze from NNE & NE. Received in Pay Dept 116¾ lbs each fresh beef and vegetables & 95 lbs soft bread.
J Mayo
Lieut U. S. N.

8 a.m to Merid.
Fair. Gentle breeze from NE & ENE. At 9.30 mustered at quarters & exercised div's &c per routine. The Comdg. Officer of H.B.M.S. Basilisk called officially. J. J. Brennahan J. of Dust & Hon. paid to Paymasters Yeoman from 18th of July by order of Comdg. Officer.
E. Keene
Ensign U. S. N.

Merid to 4 p.m.
Cloudy over. Light breeze from ENE to ESE. At 7.00 went to quarters to turn in clean hammocks: Received in Engr. Dept the following articles: 100 lbs cotton waste, 4p 1" pine board, 9 brass cocks, 5 lbs washers, 40 lbs bolts & nuts & 100 fire brick. Sent a liberty party ashore H.B.M.S. Basilisk went out.
Jas Holman
Lieut U. S. N.

4 to 8 p.m.
Cloudy & overcast. Light breezes from ESE & East.
J. Keene
Ensign U. S. N.

8 p.m to Mid.
Generally cloudy. Moderate breeze from ENE.
Jas Holman
Lieut. U. S. N.

Examined and found to be correct.

Le. K. Lamson
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	E NE	4			30.34	67	56	53		bc	cir cumu	7	
2				"	NE	3			30.34	66	56	53		"	"	6	
3				"	"	2			30.34	65	56	53		"	"	7	
4				"	"	3			30.34	64	56	53		"	"	5	
5				"	"	3			30.34	63	55	52		"	cum nimb	1	
6				"	"	3			30.32	63	55	53		oc	"	0	
7				"	"	3			30.32	64	56	53		bc	"	1	
8				"	"	3			30.32	64	56	53		"	"	1	
9				"	"	2			30.34	64	56	53		"	"	1	
10				"	"	2			30.36	68	57	54		oc	"	0	
11				"	"	2			30.36	71	57	54		"	"	0	
Noon.				"	"	2			30.36	74	57	55		o cd	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water Distilled during the preceding 24 hours, 320 "

Water remaining on hand fit for use at Noon, 2976 "

Coal consumed during the preceding 24 hours, tons 14 45 lbs.

Coal remaining on hand at Noon, 148 " 1779 "

P. M.												
1		S by E	Ead	2	30.34	70	59	57	oc	nimb	0	
2		"	"	3	30.30	70	55	53	"	"	0	
3		"	"	3	30.28	68	55	54	bc	"	2	
4		"	"	2	30.28	73	56	54	"	"	3	
5		"	"	2	30.29	70	56	55	"	"	2	
6		"	Calm	0	30.30	74	58	56	"	"	5	
7		"	SE	1	30.30	74	56	55	"	"	6	
8		"	Ead	1	30.28	68	57	53	"	"	7	
9		"	"	1	30.28	70	55	54	bcd	cir str	8	
10		"	"	1	30.29	70	57	55	"	"	9	
11		"	"	1	30.29	69	56	54	"	"	9	
Mid.		"	"	1	30.29	69	55	54	bx	Hom	10	

under the command of Commander C. S. Smith, U. S. Navy,

Thursday, July 30th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Partly cloudy, pleasant weather. Moderate & light breeze from ENE & NE. Moon rose at 3.

Lieut. U.S.N.

4 to 8 AM.
Cloudy. Gentle breezes from NE. Rec'd in Pay Dept. 93 lbs fresh bread.

Ensign U.S.N.

8 AM to Merid.
Overcast. Light drizzle last hour. Light breeze from NE. At 9.30 mustered at quarters and drilled at arms & away all boats. Received on board in Equipt. Dept. one boat spar and 88 sheets sand paper. The "Maipu" hoisted the Argentine national flag at the main. The Pilcomayo received a draft of men with baggage.

Lieut. U.S.N.

Merid to 4 PM.
Cloudy. Light & gentle breeze from East.

Lieut. U.S.N.

4 to 8 PM.
Clear & pleasant. Light breezes and airs from East to SE with a calm second hour.

Lieut. U.S.N.

8 PM to Mid.
Clear, bright starlight. Very light E'ly airs.

Lieut. U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	East	1			30.29	62	54	52		bd	more	10	
2				"	S E	1			30.28	61	53	52		"	"	10	
3				"	South	1			30.26	59	52	51		"	"	10	
4				"	"	1			30.24	59	52	50		b r m	rainb	8	
5				"	Calm	0			30.25	58	50	49		b c f	"	10	
6				"	E S E	1			30.25	56	50	49		"	"	10	
7				"	S S E	1			30.27	58	51	52		b c	cum	8	
8				"	"	1			30.29	58	50	49		"	"	8	
9				"	"	1			30.31	65	54	53		b c f	"	2	
10				"	"	1			30.30	68	54	53		"	"	6	
11				"	East	1			30.31	68	56	55		b c	cir stt	9	
Noon.				"	E N E	1			30.31	65	58	57		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 564 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2440 "

Coal consumed during the preceding 24 hours, tons 1255 lbs.

Coal remaining on hand at Noon, 148 " 524 "

P. M.											
1		S by E	E N E	1		30.30	66	60	58	b c	cir stt	6
2		"	"	1		30.29	65	60	59	"	"	8
3		"	"	1		30.27	63	60	58	"	"	8
4		"	"	1		30.29	63	59	57	"	"	8
5		"	S S E	1		30.27	64	59	57	"	"	9
6		"	"	1		30.28	71	59	58	"	"	9
7		"	E N E	1		30.28	71	59	68	b r	nimb	10
8		"	Calm	0		30.30	71	58	56	"	"	10
9		"	"	0		30.29	76	57	56	"	"	10
10		"	"	0		30.29	76	57	55	b m r	"	10
11		"	"	0		30.29	76	56	54	"	"	10
Mid.		"	"	0		30.29	66	55	53	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Friday, July 31st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & fine, variable light airs.

W. Ry Mason Field.
Ensign U.S.N.

4 to 8 AM. Foggy, Calm first hour & then light airs from ESE to SSE. Read for use of crew 116 lbs. each fresh beef & vegetables & 90 lbs. bread.

Jno Fitzpatrick
Asst. U.S.N.

8 AM to Merid.
Foggy first hour. Clear & pleasant, last three hours. Very light airs from SSE shifting to East & ENE. At 9.30 went to General quarters 1st div ready in 1m 20sec, 2nd div 1m 06sec, 3rd Div 1m 04sec, Maring. div 1m 08s, Powder div 2m 48sec, Engr 1m 00s Pay 0m 45s, & Marine guard 1m 02sec; Tested flood cocks & found them in good working condition.

[illegible]
Asst. U.S.N.

Merid to 4 PM.
Clear & pleasant. Light airs from ENE. Sent a liberty party ashore.

Jno Fitzpatrick
Asst. U.S.N.

4 to 8 PM.
Clear & pleasant. Dew last two hours; Very light airs from SSE & ENE & calm.

[illegible]
Asst. U.S.N.

8 PM to Mid.
Clear & fine, calm.

W. Ry Mason Field.
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	East	1			30.28	60	53	51		bm w	none	3	
2				"	"	1			30.28	59	50	49		bf	"	3	
3				"	South	1			30.24	67	50	49		"	"	3	
4				"	"	1			30.22	56	49	49		f	"	0	
5				"	"	1			30.22	56	51	50		bc f w	rainb	0	
6				"	"	1			30.22	56	51	50		bc f w	"	7	
7				"	"	1			30.22	56	51	50		bc f	circum	8	
8				"	SSE	1			30.22	53	50	49		"	"	3	
9				"	"	2			30.24	68	52	51		o c m	rainb	0	
10				"	"	2			30.28	70	53	54		"	"	0	
11				"	ESE	2			30.28	72	57	56		"	"	0	
Noon.				"	East	2			30.27	72	56	55		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2060 "

Coal consumed during the preceding 24 hours, tons 1160 lbs.

Coal remaining on hand at Noon, 147 " 1640 "

P. M.																	
1				S by E	ENE	2			30.22	68	56	55		o c d	rainb	0	
2				"	"	1			30.19	69	58	56		"	"	0	
3				"	"	1			30.18	72	58	57		"	"	0	
4				"	NE	1			30.17	71	60	58		o c m	"	0	
5				"	"	1			30.17	74	60	59		"	"	0	
6				"	"	1			30.17	78	60	59		"	"	0	
7				"	"	1			30.17	75	61	59		"	"	0	
8				"	"	1			30.16	70	61	59		"	"	0	
9				"	NNE	2			30.15	65	61	59		"	"	0	
10				"	"	2			30.15	65	61	59		o c d m	"	0	
11				"	"	2			30.15	64	61	59		"	"	0	
Mid.				"	"	2			30.15	64	60	59		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Saturday, August 1st, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear, overcast - last hour. Barometer falling. Variable light airs:

J T Newton
Lieut. U.S.N.

4 to 8 AM.
Foggy, partly clear overhead. Very light airs from South to SSE.

8 AM to Meid.
Lieut. U.S.N.
Overcast & misty, light breeze from SSE to East. C.P. Olsen Lds+ absent without leave. Entered A. Vollberg as Ord. Seaman for cruise of the vessel. The following articles were received in the Engineers Dept: viz 1 piece of iron 1 3/4" x 16" and an iron pipe 12 1/16" by 2 1/2".

W. Ry Mann Fuld
Ensign U.S.N.

Meid to 4 PM.
Overcast - drizzle at times. Barometer falling. Light airs from Ed. Paid out monthly money to crew.

J T Newton
Lieut. U.S.N.

4 to 8 PM.
Overcast & cloudy, light from NE.

W Ry Mann Fuld.
Ensign U.S.N.

Examined and found to be correct.

Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NNE	2			30.13	65	60	58		o c d	nimb	0	
2				"	North	2			30.12	64	60	58		o c m	"	0	
3				"	"	2			30.09	63	59	57		"	"	0	
4				"	"	2			30.09	63	58	57		"	"	0	
5				"	"	3			30.10	61	59	57		o c	"	0	
6				"	"	3			30.10	61	59	57		"	"	0	
7				"	NNW	1			30.10	62	59	57		"	"	0	
8				"	"	1			30.12	62	59	58		"	"	0	
9				"	"	1			30.13	66	60	59		"	"	0	
10				"	"	1			30.14	68	63	60		"	"	0	
11				"	"	1			30.14	70	63	61		"	"	0	
Noon.				"	"	1			30.14	71	65	62		b c	cir stc	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 425 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1636 "

Coal consumed during the preceding 24 hours, tons 12 55 lbs.

Coal remaining on hand at Noon, 147 " 349 "

P. M.										
1		S by E	NNE	2	30.13	72	65	62	b c	nimb 1
2		"	"	2	30.12	70	66	63	"	" 1
3		"	ENE	2	30.12	76	64	62	o c	" 1
4		"	SSW	1	30.12	77	63	61	b c d	" 1
5		"	WSW	2	30.14	78	61	59	o c	" 0
6		"	"	1	30.16	77	62	60	"	" 0
7		"	SW	1	30.17	74	62	60	o c m	" 0
8		"	"	1	30.19	76	61	59	"	" 0
9		"	South	1	30.22	79	61	59	"	" 0
10		"	"	1	30.22	76	60	58	"	" 0
11		"	SW	2	30.23	73	59	58	"	" 0
Mid.		"	"	1	30.23	71	59	58	b c	circum 6

under the command of Commander A. S. Snow, U. S. Navy,
Sunday, August 2nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast & misty. Light rain first hour. Light breeze from NNE & North. C. Booth ship cook relieved by order of Comdg. Officer
Enderton
Ensign U.S.N.

4 to 8 AM.
Overcast & cloudy, light breeze from NNE to North. Rec'd 116 3/4 lbs fresh beef, 116 3/4 of vegetables & 93 lbs fresh bread.
W. Ry Mason Jr.
Ensign U.S.N.

8 AM to Mrid.
Overcast, barometer steady. Light airs from NW. At 9.30 had quarters and inspection immediately after read the articles of the Good of the Navy and had general muster. Absent over time: J.D. Molinero (Appd) J.B. Load (Pol), Jas Mahoney (GM) & Jos. C. Robinson (Asst Engr). R. Post (Appd) was found to be absent having left the ship without permission. Hoisted senior officers pennant. Str Pallapoosa having hauled here down.
W. H. Newton
Lieut. U.S.N.

Mrid to 4 PM.
Cloudy with light rain last hour. Light airs and breezes from NNE, ENE & SSW. Sent liberty party ashore.
Enderton
Ensign U.S.N.

4 to 8 PM.
Overcast, barometer rising slowly. Light airs from S'd & W'd.
W. H. Newton
Lieut. U.S.N.

8 PM to Mid.
Overcast most of watch. Light airs and breezes from South and SW. J.B. Load (Pol) returned on board 17 hrs over time.
Enderton
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S W	2			30.22	68	58	56		b w	nimb	6	
2				"	"	2			30.23	63	56	54		"	"	7	
3				"	South	2			30.23	65	53	52		c c	"	0	
4				"	S by E	3			30.24	65	52	50		b c	"	3	
5				"	South	3			30.24	65	51	49		"	cum nimb	6	
6				"	"	3			30.26	64	51	49		"	cir cum nimb	8	
7				"	S S W	2			30.28	61	50	49		"	cir cum	5	
8				"	S W	3			30.29	57	49	48		b c	"	8	
9				"	"	2			30.35	64	50	48		"	"	9	
10				"	S S W	3			30.40	72	51	48		"	"	9	
11				"	"	3			30.41	74	51	49		"	"	9	
Noon.				"	"	4			30.41	72	52	49		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 353 gallons.

Water Distilled during the preceding 24 hours, 160 "

Water remaining on hand fit for use at Noon, 1440 "

Coal consumed during the preceding 24 hours, tons 1065 lbs.

Coal remaining on hand at Noon, 146 " 1324 "

P. M.									
1	S by E	S S W	3-6	30.39	71	53	50	b c q	cum 5
2	"	"	3-6	30.39	71	53	50	"	" 5
3	"	S W	3-6	30.39	70	53	50	"	" 5
4	"	"	3-6	30.39	71	54	51	"	" 7
5	"	"	3-5	30.41	71	52	50	"	" 7
6	"	"	3	30.42	70	52	51	b c	" 7
7	"	"	3	30.48	70	52	51	"	" 9
8	"	"	3	30.48	70	50	50	"	" 9
9	"	"	3	30.48	67	48	46	"	" 9
10	"	"	3	30.48	66	49	46	"	" 9
11	"	"	3	30.46	64	47	48	"	" 9
Mid.	"	"	3	30.46	62	46	44	"	" 9

under the command of Commander A. S. Snow, U. S. Navy,

Monday August 3rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Fair first part: cloudy latter part. Light to gentle breezes from SW to SbyE.

Geo. F. Holman
1st Lieut U.S.M.

4 to 8 AM.

Clear & pleasant barometer rising. Light to gentle breezes from S'd. Received in Pay Dept 112½ lbs fresh beef, 112½ fresh vegetables & 90 lbs soft bread.

J. Wheeler
1st Lieut U.S.M.

8 AM to Mid:

Clear & pleasant. Light to moderate breezes from SW & SSW Mustered at quarters at 9.30 and found following men absent without leave: J. Mahoney (CH) Jere Dwyer (CH) J. C. Robinson (S. Corpl) & R. Post. Exercised as per routine. The Comdg. Officer adjudges the following punishments: P. Dougherty (Pvt) 7 hrs overtime — reduced to 2nd class, 1 month & 7 hrs extra duty. W. H. Carman (Pvt) Not being alert on post — 16 hrs extra duty. R. Wendt (Pvt) Late turning out when called, to be called 10 min. before watch, for 3 nights. O. P. Olsen (Lds) 24 hrs overtime — reduced to 3rd class 1½ month. J. B. Load (Pvt) 17 hrs over time — red to 3rd class 1½ month & 17 hrs Extra duty. E. J. Molinero (S. Appl'd) 3½ hrs overtime — reduced to 2nd class, 1 month.

C. Westone
Ensign U.S.N.

Mid to 4 PM.

Clear & cool. Gentle breeze with fresh squalls from SSW to SW. Send a liberty party ashore.

Geo. F. Holman
1st Lieut U.S.M.

4 to 8 PM.

Clear & pleasant. Gentle to fresh breezes from SW.

C. Westone
Ensign U.S.N.

8 PM to Mid.

Clear and cool. Gentle breeze from SW.

Geo. F. Holman
1st Lieut U.S.M.

Examined and found to be correct.

[illegible]
Lieut — Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S S W	4			30.46	62	43	43		b	None	10	
2				"	"	4			30.47	58	44	42		"	"	10	
3				"	"	4			30.47	57	43	41		"	"	10	
4				"	"	4			30.47	57	43	41		"	"	10	
5				"	S W	2-4			30.46	56	42	40		"	"	10	
6				"	"	3-4			30.48	55	41	40		"	"	10	
7				"	"	4			30.49	54	40	39		b c m	cir	8	
8				"	"	4			30.51	53	40	39		"	"	9	
9				"	"	4			30.53	62	41	40		b c	"	7	
10				"	"	3			30.56	69	44	42		"	"	7	
11				"	"	2			30.57	71	46	44		"	"	6	
Noon.				"	"	2			30.58	74	47	45		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 446 gallons.

Water Distilled during the preceding 24 hours, 1376 "

Water remaining on hand fit for use at Noon, 24400 "

Coal consumed during the preceding 24 hours, 1 tons 940 lbs.

Coal remaining on hand at Noon, 145 " 1084 "

P. M.								
1	S by E	S W	3	30.59	70	37	47	b c	cir cum	5
2	"	"	3	30.59	70	32	48	"	"	5
3	"	"	3	30.59	66	32	48	"	"	4
4	"	"	3	30.59	65	32	48	"	"	6
5	"	"	3	30.58	65	37	48	"	"	2
6	"	"	3	30.59	73	32	48	"	"	9
7	"	"	2	30.59	74	32	48	b m	None	10
8	"	"	1	30.60	74	37	48	b m o	"	10
9	"	"	2	30.59	70	37	47	"	"	10
10	"	"	2	30.58	73	30	47	"	"	10
11	"	"	2	30.58	70	30	47	"	"	10
Mid.	"	"	2	30.56	68	49	46	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday August 4th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & cold. Bright starlight. Moderate breeze from S & W.
Distilling.

~~Master~~ Lieut. U. S. N.

4 to 8 AM.
Clear & pleasant. Light to Moderate breeze from S W.

~~Lieut~~ Ensign U. S. N.

8 AM to Merid.
Clear & cool. Moderate to light breeze from S W. At 9.30 mustered at quarters. Absentees: J. Mahoney (Ord) Jno Dwyer (Ord) J. C. Robinson (A. Corpl) and R. Post (A. Appr 2d) Went to Sick quarters: — 1st stream 28 min, 2nd stream 5 min, 3rd stream 1 m 06 s 4th stream 1 m 10 s.

Geo F. Wadleigh
Lieut. U. S. N.

Merid to 4 PM.
Partly cloudy pleasant weather. Gentle breeze from S W.
Barometer steady. A. C. M. "Colon" left the harbor.

~~Master~~ Lieut. U. S. N.

4 to 8 PM.
Clear first part hazy with heavy dew latter part. Gentle breeze with light airs from S W.

Geo F. Wadleigh
Lieut. U. S. N.

8 PM to Mid.
Clear & pleasant. Bright starlight. Misty along horizon Light breeze from S W.

~~Master~~ Lieut. U. S. N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S W	0			30.58	66	49	46		b 10	None.	10	
2				"	"	1			30.58	70	47	44		"	"	10	
3				"	"	1			30.56	69	46	48		"	"	10	
4				"	"	1			30.54	67	46	43		"	"	10	
5				"	W S W	2			30.53	67	45	43		b	"	10	
6				"	"	2			30.53	68	46	42		bc	cir nbr	9	
7				"	"	2			30.53	67	44	42		b cm	cir cum	6	
8				"	"	1			30.51	59	49	46		"	"	2	
9				"	"	1			30.52	65	49	46		"	cir nbr	5	
10				"	West	2			30.52	68	53	49		"	"	5	
11				"	W W	1			30.52	71	54	50		"	"	5	
Noon.				"	"	1			30.52	69	56	52		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 440 gallons.

Water Distilled during the preceding 24 hours, 1210 "

Water remaining on hand fit for use at Noon, 3200 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.											
1		S by E	N E	2	30.11	67	58	53	bc	cir cum str.	3
2		"	N E	2	30.44	65	58	53	"	"	3
3		"	"	2	30.44	68	58	53	"	"	3
4		"	"	2	30.43	67	58	53	"	"	3
5		"	N N E	2	30.43	69	56	52	"	"	4
6		"	North	2	30.44	70	58	53	"	"	7
7		"	"	2	30.44	75	58	53	"	"	9
8		"	"	2	30.44	72	58	53	b	nmz	10
9		"	"	3	30.44	72	56	52	"	"	10
10		"	"	3	30.44	73	56	51	"	"	10
11		"	"	3	30.43	73	56	51	"	"	10
Mid.		"	"	3	30.43	73	55	50	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday Augs 3d, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & fine, light airs from S.W.

W. Roy Mason Gld.
Ensign U. S. N.

4 to 8 a.m.
Clouding over. Hazy latter part. Light breeze to light airs from W.S.W. Rec'd for use of crew 111 3/4 lbs. chuck fresh beef and 32 vegetables and 89 lbs. bread.

Jno. Coffman
Asst. U. S. N.

8 a.m. to Mid.
Partly cloudy, pleasant weather. Light breeze & light airs from W.S.W. to W.N.W. All @ 9.30 mustered at quarters & had battalion drill. J. C. Robinson (S. Corpl) R. Post (S. Upp'd) J. Mahoney (Cpl) Jere Dwyer (Cpl) absent without leave, stopped distilling. Plymouth W. W. Barry U. S. N. left the ships on three weeks leave. F. Scroggie (Cpl) was placed under sentry's charge for safe keeping by order of Comdg. Officer for being drunk.

Lieut. U. S. N.

Mid. to 4 p.m.
Fair light breeze from W by S to W.N.W. Ran in broadside guns and oiled the borters.

W. Roy Mason Gld.
Ensign U. S. N.

4 to 8 p.m.
Generally clear & pleasant weather. Light breeze from W.N.W. and North. J. C. Robinson (S. Corpl) & Jere Dwyer (Cpl) returned on board 54 & 33 hours respectively, over leave.

Lieut. U. S. N.

8 p.m. to Mid.
Clear & fine, gentle breeze from North. Placed R. Post (S. Upp'd) under sentry's charge for safe keeping.

W. Roy Mason Gld.
Ensign U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut. - Navigator.

LOG of the UNITED STATES "Steamer" "Essex", 3rd Rate,

At Buenos Ayres; A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	4			30.42	73	57	50		bc	nimb cir cum	8	
2				"	"	4			30.41	76	53	50		"	"	8	
3				"	"	4			30.41	73	53	50		"	"	6	
4				"	"	4			30.41	71	52	48		"	"	6	
5				"	NNE	4			30.40	68	51	48		"	cum	6	
6				"	"	4			30.40	66	51	48		"	"	3	
7				"	"	4			30.40	60	52	49		"	cum cir	1	
8				"	North	4			30.40	62	52	49		"	"	1	
9				"	"	3			30.46	78	54	51		"	"	5	
10				"	"	3			30.48	76	56	53		"	"	5	
11				"	"	3			30.49	77	58	54		"	"	5	
Noon.				"	"	3			30.48	76	59	55		"	"	6	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots. tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water [illegible] during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2830 "

Coal consumed during the preceding 24 hours, tons 1160 lbs.

Coal remaining on hand at Noon, 143 " 1724 "

P. M.												
1			S by E	NNE	3	30.46	72	59	54	bc	cir cum	5
2			"	"	3	30.43	70	59	54	"	"	4
3			"	"	3	30.40	69	58	53	"	"	5
4			"	"	2	30.39	67	58	53	"	"	5
5			"	"	2	30.38	69	57	53	"	"	5
6			"	NE	2	30.37	71	58	54	"	"	6
7			"	"	2	30.36	75	58	54	bc	nimb	10
8			"	"	2	30.37	74	57	54	"	"	10
9			"	"	1	30.39	70	56	53	"	"	10
10			"	"	1	30.39	71	57	54	"	"	10
11			"	"	1	30.39	71	55	53	"	"	10
Mid.			"	"	1	30.39	69	52	50	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Thursday Aug. 6th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear & pleasant, barometer steady. Moderate breze from NE.

J. Mahoney
Lieut. U. S. N.

4 to 8 AM.

Partly cloudy first part, cloudy latter part. Moderate breze from NNE & North. Cold. Bbrometer steady.

Lieut. U. S. N.

8 AM to Merid.

Partly cloudy, gentle breze from North. Mustered and inspected at quarters & called away all boats armed & equiped for distant service. Gig ready in 1m 10sec 1st 6 2nd 30sec 2nd 6 1m 30sec Whale Boat 2m 10sec, St. Launch 2m 15sec, Sailing Launch 3rd. Confined R. Post (Sea Appr'd) to await trial by S.C. Martial. The Comdg. Officer adjudged the following punishments: R. Stevens (S. Appr'd) Sight from liberty 6 - ped to 2nd class 2 months, Thos. Erskine (S. Appr'd) Going below and turning in while on anchor watch - 5 mid night watches. Jere. Dwyer (C.F.) 34 hours overtime - ped to 4th class; 3 months J's M. money. Jas. C. Robinson (S. Corpl) 81 3/4 hrs. overtime - ped. to 4th class; 3 months J's M. money. R. Post (S. Appr'd) Absenting himself without leave - sentry's charge to await trial by S.C. Martial

G. Roy Mason Asst.
Engineer U. S. N.

Merid to 4 PM.

Clear & pleasant, barometer steady. Gentle breze from NNE. Specifications preferred against R. Post (S. Appr'd) by Comdg. Officer were delivered to him. J. Mahoney returned on board 4 days 8 hrs. overtime, drunk & disorderly - placed him in cell by order of Comdg. Officer.

J. Mahoney
Lieut. U. S. N.

4 to 8 PM.

Partly cloudy, light breze from NNE & NE.

G. Roy Mason Asst.
Engineer U. S. N.

8 PM to Mid.

Clear & pleasant, barometer steady. Light airs from NE.

J. Mahoney
Lieut. U. S. N.

Examined and found to be correct.

Le. V. Lamson
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E.	Calm	0			30.38	68	53	50		b o	None	10	
2				"	"	0			30.37	67	53	50		"	"	10	
3				"	"	0			30.36	67	53	50		"	"	10	
4				"	"	0			30.34	67	53	50		"	"	10	
5				"	North-	1			30.32	67	53	51		"	"	10	
6				"	NE	2			30.31	66	53	51		b c o	cir	9	
7				"	"	2			30.30	66	53	51		b c	"	9	
8				"	"	3			30.29	61	53	51		"	"	9	
9				"	NNE	2			30.30	67	55	52		b	None	10	
10				"	"	2			30.30	68	58	55		"	"	10	
11				"	"	3			30.30	72	58	55		"	"	10	
Noon.				"	"	3			30.30	73	59	55		"	"	10	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 396 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 24434 "

Coal consumed during the preceding 24 hours, tons 1255 lbs.

Coal remaining on hand at Noon, 143 " 1460 "

P. M.												
1		S by E	NE	2		30.27	74	61	57	b	none	10
2		"	NE	1		30.24	76	62	58	"	"	10
3		"	"	1		30.23	78	61	58	"	"	10
4		"	ENE	1		30.21	79	61	58	"	"	10
5		"	"	1		30.18	74	60	57	"	"	10
6		"	"	1		30.18	76	60	57	"	"	10
7		"	"	1		30.18	73	60	57	b o	"	10
8		"	"	1		30.17	71	60	57	"	"	10
9		"	NE	2		30.17	75	60	57	"	"	10
10		"	"	2		30.17	74	59	56	"	"	10
11		"	"	2		30.18	73	57	55	"	"	10
Mid.		"	NNE	2		30.19	72	57	55	b c o	Nimb	8

under the command of Commander A. S. Snow, U. S. Navy,

Friday, Aug 7th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear, heavy dew. Colnc. Thos. Erskine (Appzd) stood extra watch by order of Comdg. Officer

C. Rivers
Ensign U.S.N.

4 to 8 am.
Clear & fine, light airs from North and gentle breeze from NW by E.

W. Ray Mason Jr.
Ensign U.S.N.

8 am to Merid.
Bright & pleasant. Barometer steady. Light to gentle breeze from NNE. At 9.30 quarters, Leave ship for action. Richard J. Mahoney (CH) from confinement by order of Comdg. Officer. At 10 Summary Court met for trial of R. Post (Sea Appzd) adjourned at 11. having finished the case.

J. W. Hunter
Lieut. U.S.N.

Merid to 4 pm.
Clear & pleasant. Light airs and breezes from NNE to ENE. Sent liberty party ashore.

C. McClure
Ensign U.S.N.

4 to 8 pm.
Clear & pleasant. Barometer steady. Light airs from ENE.

J. W. Hunter
Lieut. U.S.N.

8 pm to Mid.
Clear & pleasant, heavy dew. Light breezes from NE & NNE.

C. McClure
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	NE	2			30.19	70	58	53		bc w	cir cum	4	
2				"	NNE	2			30.19	69	58	55		"	"	7	
3				"	North	2			30.19	68	57	54		"	"	8	
4				"	"	2			30.17	67	57	54		"	"	1	
5				"	"	3			30.16	66	56	53		bc	cum. nimb	1	
6				"	"	3			30.16	65	56	53		oc	"	0	
7				"	"	3			30.16	65	57	54		bc	cir cum strat	1	
8				"	"	3			30.16	64	58	55		oc	"	0	
9				"	"	3			30.16	65	58	56		bc	"	2	
10				"	"	2			30.14	71	59	56		"	"	2	
11				"	"	2			30.13	70	60	57		"	"	2	
Noon.				"	"	2			30.14	69	60	58		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2074 "

Coal consumed during the preceding 24 hours, tons 1258 lbs.

Coal remaining on hand at Noon, 142 " 1454 "

P. M.										
1		Sby E	NE	2		30.12	74	61	58	bc	cir cum str	4
2		"	ENE	2		30.08	70	63	59	bcm	nimb	6
3		"	"	2		30.04	67	63	59	"	"	6
4		"	ESE	2		30.04	67	62	59	"	"	6
5		"	SE	1		30.02	65	62	59	"	cir cum	8
6		"	"	1		30.02	70	68	57	"	"	3
7		"	"	1		30.02	75	60	58	"	"	6
8		"	East	1		30.01	74	61	59	bc	"	7
9		"	ESE	1		29.99	72	61	58	b	nimb	10
10		"	"	1		29.99	74	61	58	"	"	10
11		"	"	2		29.98	75	61	58	"	"	10
Mid.		"	"	1		29.97	75	61	58	bc	cir cum	6

under the command of Commander A. S. Snow, U. S. Navy,
Saturday, Aug 8th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Generally fair. Light breeze from NE to North.
Heavy dew.

Jno H Holman
Lieut. U. S. N.

4 to 8 AM.
Cloudy & overcast. Barometer steady.

J Wheeler
Lieut U. S. N.

8 AM to Meid.
Cloudy. Light and gentle breeze from North. At 10 AM called all hands to muster & published the proceedings of summary court martial in the case of R. Post (Appd) charged with absenting himself without leave; sentenced to the following punishments: To be reduced to next inferior rating, that of Asp. 1d, loss of two months pay, amounting to twenty two dollars ($22.00 100) and extra police duties for two months. By order of Comdg. Officer released him from sentence charge & restored him to duty.

C. M. Stone
Ensign U. S. N.

Meid to 4 PM.
Fair. Light breeze from NE to ESE. Sent a liberty party ashore.

Jno H Holman
Lieut U. S. N.

4 to 8 PM.
Mostly fair weather. Light airs from S & E and East.

C. M. Stone
Ensign U. S. N.

8 PM to Mid.
Clear and pleasant. Heavy dew. Light airs to light breeze from ESE.

Jno H Holman
Lieut. U. S. N.

Examined and found to be correct.

Lee K. Lemmon
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres. A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S by E	E S E	1			29.97	77	61	58		bc	nimb	6	
1				"	East-	1			29.97	76	61	58		oc	"	6	
2				"	N E	1			29.93	70	61	58		ocl	"	0	
3				"	N N E	1			29.91	67	61	58		oclw	"	0	
4				"	"	2			29.85	65	61	58		ocw	"	0	
5				"	North-	1			29.82	64	61	58		"	"	0	
6				"	"	1			29.80	64	61	58		oc	"	0	
7				"	N N W	3			29.78	63	61	58		ocllr	"	0	
8				"	North-	1			29.77	70	61	58		"	"	0	
9				"	N N W	2			29.80	74	61	59		"	"	0	
10				"	West-	1			29.84	71	61	59		ocl-	"	0	
11				"	W S W	2			29.87	82	61	59		"	"	0	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 394 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1680 "

Coal consumed during the preceding 24 hours, tons 970 lbs.

Coal remaining on hand at Noon, 142 " 484 "

P. M.														
1		S by E	South-	1		29.76	78	61	59		ocd	cumnimb	0	
2		"	S E	1		29.72	74	61	59		"	"	0	
3		"	"	1		29.71	72	60	59		ocp	"	0	
4		"	S W	2		29.70	73	59	58		"	nimb	0	
5		"	"	3-5		29.72	78	59	57		ocgp	"	0	
6		"	"	4-5		29.73	76	55	52		"	"	0	
7		"	"	3-6		29.76	76	50	49		ocgd	"	0	
8		"	"	3-6		29.77	73	50	48		ocg	"	0	
9		"	"	3-6		29.76	76	50	48		bcg	"	2	
10		"	"	3-6		29.79	73	50	48		"	"	3	
11		"	"	5		29.84	75	51	49		bc	"	3	
Mid.		"	"	5		29.84	72	51	49		"	"	1	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday Aug 9th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy & damp last hour. Very light airs varying from ESE to NNE. Barometer falling.

Lieut U. S. N.

4 to 8 a.m.
Overcast. Thunder & lightning with light rain last hour. Light airs to gentle breeze from NNE North & NNW. Recd in Pay Dept 116/4 lbs fresh Beef & vegetables & 96 lbs bread.

Ensign U. S. N.

8 am to Mid.
Overcast & raining with thunder and lightning first part. Light airs to fresh breeze from North to WSW.

Lieut U. S. N.

Mid to 4 pm
Cloudy & raining. Light airs to light breeze from South to SW.

Lieut U. S. N.

4 to 8 pm.
Overcast. Raining until 7.15. Gentle to stiff breeze with moderate to fresh squalls from SW. Ran out a line from starboard quarter to a buoy.

Lieut U. S. N.

8 pm to Mid.
Generally cloudy & squally. Moon & stars occasionally visible for a short period. Moderate breeze from SW with frequent stiff squalls.

Lieut U. S. N.

Examined and found to be correct.

Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sby E	SW	3			29.84	67	57	50		bc	cir cum	8	
2				"	"	3			29.84	66	52	50		"	"	9	
3				"	"	3			29.84	64	54	49		"	"	9	
4				"	"	3			29.83	61	49	44		"	"	9	
5				"	"	3-4			29.84	59	48	45		bcg	nimb	9	
6				"	"	3-4			29.84	58	47	44		bc	"	8	
7				"	"	4			29.89	57	47	46		"	cir nimb	8	
8				"	"	4			29.92	59	47	45		"	cir cum	9	
9				"	"	4			29.97	66	50	47		"	"	9	
10				"	"	3			29.98	70	52	49		"	"	9	
11				"	"	3			29.99	68	53	51		"	"	9	
Noon.				"	WSW	3			30.01	73	57	53		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 408 gallons.

Water Distilled during the preceding 24 hours, 2441 "

Water remaining on hand fit for use at Noon, 1486 "

Coal consumed during the preceding 24 hours, tons 1065 lbs.

Coal remaining on hand at Noon, 141 " 1659 "

P. M.												
1		Sby E	WSW	2		30.01	72	58	54	bc	nimb	10
2		"	"	3		30.01	69	58	54	"	"	10
3		"	"	3		30.02	70	59	54	bc	cir cum	7
4		"	"	3		30.02	72	60	53	"	"	5
5		"	"	3		30.03	73	60	53	"	"	5
6		"	"	2		30.06	77	59	56	"	"	4
7		"	"	2		30.08	79	59	56	"	"	4
8		"	"	2		30.10	76	60	57	"	"	4
9		"	WNW	3		30.12	74	62	59	bc	nimb	0
10		"	"	3		30.12	72	62	57	"	"	0
11		"	"	3		30.13	71	61	57	"	"	0
Mid.		"	NW	3		30.14	71	60	56	bc	"	8

under the command of Commander A. S. Snow, U. S. Navy,

Monday Aug 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a/m.
Fair & cold, gentle breeze from SW. Barometer steady.
C. Ry Mason Jr[illegible]
Ensign U. S. N.

4 to 8 am
Clear & cold. Gentle to moderate breeze from SW. with moderate to stiff squalls. First part: Hauled in starboard quarter line from red buoy. Rec'd for use of crew 116 lbs each fresh beef and vegetables & 93 lbs bread.
Geo. F. Holman
Lieut. U. S. N.

8 am to Merid.
Clear & cool. Moderate to gentle breeze from SW & WSW. All ps mustered at quarters & had divisional exercises: Jno. Sliney (Sea) absent without leave. Commenced distilling at 7.20.
[illegible]
Lieut. U. S. N.

Merid to 4 pm.
Clear & fine, light to gentle breeze from WSW. Jno. Sliney (Sea) returned on board six hours overtime.
C. Ry Mason Jr[illegible]
Ensign U. S. N.

4 to 8 p/m.
Partly cloudy pleasand weather. Gentle to light breeze from WSW. Distilling.
[illegible]
Lieut. U. S. N.

8 pm to Mid.
Partly cloudy, gentle breeze from WSW & NW.
C. Ry Mason Jr[illegible]
Ensign U. S. N.

Examined and found to be correct.

G. K. Lewis
Lieut-Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos-Aires, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NW	2			30.18	69	59	53		bc	cir cum	8	
2				"	"	1			30.15	66	59	53		"	"	8	
3				"	"	2			30.14	69	57	54		"	"	8	
4				"	"	2			30.14	58	56	52		"	"	9	
5				"	"	3			30.14	57	55	52		"	cum	8	
6				"	"	2			30.14	58	53	50		"	"	3	
7				"	"	2			30.17	58	53	51		"	cum str	1	
8				"	"	1			30.20	64	56	53		bc m	"	1	
9				"	"	1			30.24	67	56	53		"	"	1	
10				"	"	1			30.27	70	58	53		"	"	1	
11				"	NNW	1			30.27	71	60	57		"	"	2	
Noon.				"	North	2			30.27	70	63	59		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 385 gallons.

Water during the preceding 24 hours, 1361 "

Water remaining on hand fit for use at Noon, 2432 "

Coal consumed during the preceding 24 hours, 1 tons 345 lbs.

Coal remaining on hand at Noon, 140 " 1314 "

P. M.								
1		S by E	NW	2	30.26	77	63	59	bc m	cir cum	2	
2		"	NE	2	30.26	72	64	60	"	cum nimb	3	
3		"	"	2	30.25	70	64	60	"	"	4	
4		"	"	2	30.24	69	64	60	"	"	4	
5		"	"	1	30.24	69	62	58	"	"	5	
6		"	Calm	0	30.24	72	62	58	"	"	5	
7		"	"	0	30.26	72	60	57	"	"	4	
8		"	South	1	30.26	71	59	56	"	"	2	
9		"	NE	1	30.27	72	58	55	"	cir str	4	
10		"	"	1	30.28	73	58	55	"	"	4	
11		"	"	1	30.29	72	59	56	"	"	5	
Mid.		"	Calm	0	30.28	71	62	56	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday August 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & pleasant: Barometer steady. Light airs to light breeze from NW.

J Wharton
Lieut U.S.N.

4 to 8 AM.
Generally cloudy but pleasant: Light & gentle breeze from NW.

Lieut U.S.N.

8 AM to Merid.
Partly cloudy light airs to light breeze from NW to North. Mustered at quarters and exercised at fire quarters. 1st Cutr 0m 40s 2nd Steam 2m 30s, 3rd Steam 1m 0sec. J.H. Spear (C.F.C) absent without leave. The Comdg Officer inflicted the following punishments: J. Mahoney (CH) 4 days 8 hrs overtime, drunk & disorderly - reduced to 4th class; 3 months: A. Rumbeau (Fdr) Insolence and interfering with corporal of guard in the execution of his duties - 3 weeks guardtime. J. Sliney (Sea) 6 hrs overtime, rcd to 2nd class; 1 month:

W. Rey Mann Jr Asst.
Ensign U.S.N.

Merid to 4 PM.
Cloudy and clear at times, barometer steady. Light breeze from N'd. The French ship Sané came in to the Darsena. Sent an officer to make the usual offer of civilities: J.H. Spear (C.F.C) returned on board 6 3/4 hrs overtime.

J Wharton
Lieut U.S.N.

4 to 8 PM.
Partly cloudy, calms & variable light airs.

W. Rey Mann Asst.
Ensign U.S.N.

8 PM to Mid.
Generally clear, barometer steady, calm & light airs from NE.

J Wharton
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres - A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	1			30.28	71	58	56		bro.	Hour.	10	
2				"	South -	1			30.28	68	58	56		"	"	10	
3				"	"	1			30.29	68	56	54		"	"	10	
4				"	NNE	1			30.29	68	56	54		"	"	10	
5				"	NNW	1			30.30	66	55	53		"	"	10	
6				"	"	1			30.32	65	56	53		"	cumu	9	
7				"	"	1			30.32	64	57	55		bcm	"	8	
8				"	"	2			30.33	64	58	56		"	cir cumu sh.	7	
9				"	"	1			30.34	72	59	57		bc	"	5	
10				"	"	2			30.33	73	61	59		"	"	6	
11				"	"	1			30.36	72	63	60		"	"	7	
Noon.				"	North -	1			30.36	71	64	61		"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water during the preceding 24 hours, 1388 "

Water remaining on hand fit for use at Noon, 30140 "

Coal consumed during the preceding 24 hours, tons 2110 lbs.

Coal remaining on hand at Noon, 139 " 14444 "

P. M.												
1		S by E	NE	1		30.35	68	63	60	bcm	none	10
2		"	"	1		30.34	66	62	59	"	"	10
3		"	"	1		30.33	65	61	58	"	"	10
4		"	"	1		30.33	66	61	59	"	"	10
5		"	East -	1		30.33	67	61	59	"	"	10
6		"	"	1		30.33	67	61	59	bcm	cir cumu	9
7		"	ENE	1		30.33	71	60	58	bw	none	10
8		"	"	1		30.33	71	60	58	"	"	10
9		"	NE	1		30.32	70	59	56	"	"	10
10		"	"	2		30.31	66	58	55	bcw	cir cumu	9
11		"	"	2		30.30	65	57	54	"	"	9
Mid.		"	"	2		30.29	65	57	54	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday August 12th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 pm.
Clear & pleasant. Heavy dew. Light airs from NNE and South:

C. Gladstone
Ensign U. S. N.

4 to 8 pm.
Fair & pleasant; light airs to light breze from N. NW Recd 113 lbs fresh bread, 113 lbs vegetables & 92 lbs soft bread.

C. Ray Mason Jr.
Ensign U. S. N.

8 am to Mid.
Bright and pleasant, barometer steady. Light airs from NW and West. Comdg Officer visited the French National ship Dauphin. H. Heidmann (Sea) was brought on board by ships police from prison where he had been confined.

J Wynton
Lieut. U. S. N.

Mid to 4 pm.
Clear & pleasant. Light airs from NE. Served out clothing and small stores. Sent liberty party ashore.

C. M. Stone
Ensign U. S. N.

4 to 8 pm.
Clear and pleasant, barometer steady. Light airs from East and ENE. Comdg. Officer of French National ship Dauphin visited this ship officially.

J. Wynton
Lieut. U. S. N.

8 pm to Mid.
Clear and pleasant. Light airs and breges from NE.

C. M. Stone
Ensign U. S. N.

Examined and found to be correct.

L. K. Simms
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al-Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North	2			30.30	63	58	55		bw	rain	10	
2				"	"	1			30.30	66	57	55		"	"	10	
3				"	"	1			30.29	64	57	54		"	"	10	
4				"	NNE	2			30.26	62	56	54		"	"	10	
5				"	"	3			30.26	62	56	54		"	"	10	
6				"	"	3			30.25	61	57	54		"	"	10	
7				"	"	3			30.25	57	57	55		bc	cir cumu	9	
8				"	"	3			30.25	62	57	55		bcm	"	8	
9				"	North	3			30.27	69	59	56		bc	cir cumu	6	
10				"	"	3			30.28	71	61	58		"	"	6	
11				"	"	3			30.28	72	63	59		"	"	6	
Noon.				"	"	3			30.27	72	64	60		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2690 "

Coal consumed during the preceding 24 hours, tons 9 70 lbs.

Coal remaining on hand at Noon, 139 " 4 71 "

P. M.												
1		S by E	NNW	2	30.25	76	66	61	bc	cir cumu	9	
2		"	"	2	30.25	77	68	63	"	"	9	
3		"	"	1	30.24	79	68	63	"	"	9	
4		"	"	1	30.24	81	69	64	"	"	9	
5		"	North	1	30.25	82	69	64	"	str. cir cumu	4	
6		"	"	1	30.24	77	67	63	oc	"	0	
7		"	"	1	30.24	75	67	63	bc	"	2	
8		"	"	1	30.23	72	66	63	"	"	4	
9		"	NNE	2	30.20	70	66	63	bcl	nimb	8	
10		"	"	3	30.20	70	66	63	"	"	3	
11		"	"	3	30.20	74	65	63	"	"	3	
Mid.		"	"	3	30.20	73	65	63	"	"	3	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, Aug 13th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am
Clear and pleasant. Heavy dew. Light airs and breezes from North to NNE.

Sigsbee Lt W Holman
Lieut U.S.N.

4 to 8 am
Clear and pleasant, barometer steady. Gentle breeze from NNE.

J Wheeler
Lieut U.S.N.

8 am to Meridn
Fair. Gentle breeze from North. At 9.30 mustered at quarters and exercised divisions at company drill.

C Clayton
Ensign U.S.N.

Merid to 4 pm.
Clear and pleasant. Light airs and breezes from NNW. Sent a liberty party ashore. The Argentine transport Villarino went out.

Sigsbee Lt W Holman
Lieut U.S.N.

4 to 8 pm.
Cloudy. Light airs from North.

C Clayton
Ensign U.S.N.

8 pm to Midd.
Cloudy. Light breeze to gentle breeze from NNE.

Sigsbee Lt W Holman
Lieut U.S.N.

Examined and found to be correct.

W. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S by E	North	1			30.19	77	64	62		o c l	nimb	0	
1				"	"	1			30.18	76	64	62		"	"	0	
2				"	"	1			30.16	71	63	62		b c l	"	2	
3				"	"	1			30.14	70	63	62		o c l	"	0	
4				"	NNE	1			30.12	67	63	61		"	"	0	
5				"	SSE	2-4			30.13	69	61	60		o c l r	"	0	
6				"	"	2-4			30.16	69	60	60		o c l t r	"	0	
7				"	"	2			30.19	75	61	61		"	"	0	
8				"	NE	1			30.18	78	63	62		o c	cum nimb	0	
9				"	"	1			30.18	75	64	63		"	"	0	
10				"	"	1			30.17	71	64	63		o c f	"	0	
11				"	NNE	1			30.16	70	65	64		b c m	"	4	
Noon.																	

Course and distance made good since preceding noon by observations; knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 434 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2286 "

Coal consumed during the preceding 24 hours, tons 970 lbs.

Coal remaining on hand at Noon, 138 " 1744 "

P. M.														
1	S by E	NNE	1	30.15	70	65	64	b c m	cir nimb	1				
2	"	"	1	30.12	70	65	64	"	"	1				
3	"	ENE	1	30.13	71	65	64	"	"	2				
4	"	SE	1	30.13	71	63	62	"	"	2				
5	"	"	1	30.12	72	63	62	"	"	2				
6	"	SSE	1	30.12	73	63	62	"	"	1				
7	"	"	1	30.15	78	64	63	"	"	4				
8	"	SE	3	30.17	76	62	61	o c l	nimb	0				
9	"	"	3-5	30.19	74	62	62	o c g. l	cum nimb	0				
10	"	"	3-5	30.21	74	60	59	"	"	0				
11	"	"	3-6	30.26	73	57	57	o c g p.	nimb	0				
Mid.	"	"	3-6	30.27	73	55	55	"	"	0				

under the command of Commander A. S. Snow, U. S. Navy,

Friday, August 14th 1891, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Cloudy with lightning. Light airs from North.

~~T. Harris~~
Lieut U.S.N.

4 to 8 AM.
Overcast. Cloudy raining last three hours. Light airs to moderate breezes from NNE and SSE. Received in Pay Department 116 3/4 lbs fresh beef and vegetables & 93 lbs bread.

Orr Stone
Ensign U.S.N.

8 AM to Merid.
Clearing. Light airs from NE to NNE.

Hugh McCollum
Lieut U.S.N.

Merid to 4 PM.
Cloudy pleasant weather Light airs from NNE to SE Barometer falling. Chilian corvette Tilcoshayo left the dock.

~~T. Harris~~
Lieut U.S.N.

4 to 8 PM.
Clouding over. Light airs from SSE freshening to gentle breeze from SE last hour. Lightning in the SE last hour.

Hugh McCollum
Lieut U.S.N.

8 PM to Mid.
Overcast cloudy & rainy. Gentle breeze from SE with frequent moderate squalls.

~~T. Harris~~
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres; A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S by E	S E	4-5			30.26	70	57	53		o c	nimb	0	
1				"	"	4-5			30.26	70	52	52		o c p	"	0	
2				"	"	4-5			30.26	68	57	57		o c	"	0	
3				"	"	4-5			30.26	68	57	57		o c g	"	0	
4				"	"	3-4			30.25	68	57	57		o c	"	0	
5				"	"	4			30.25	68	57	57		"	"	0	
6				"	"	4			30.30	65	57	57		"	nimb str	0	
7				"	"	3			30.32	65	57	57		o c p	"	0	
8				"	"	4			30.33	70	52	57		b c	cir cum str.	2	
9				"	"	4			30.37	79	57	52		o c	nimb	0	
10				"	"	4			30.40	82	55	53		"	"	0	
11				"	"	4			30.40	83	56	53		"	"	0	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1896 "

Coal consumed during the preceding 24 hours, tons 1065 lbs.

Coal remaining on hand at Noon, 138 " 679 "

P. M.											
1	S by E	S E	4	30.39	84	58	54	o c	cum str	0	
2	"	"	4	30.39	83	58	54	b c	"	2	
3	"	"	4	30.39	83	58	54	"	"	3	
4	"	"	4	30.39	80	58	54	"	"	3	
5	"	"	4	30.39	73	57	57	"	"	3	
6	"	"	4	30.38	76	57	53	"	"	6	
7	"	"	4	30.39	78	57	53	"	"	7	
8	"	"	4	30.46	76	54	57	"	"	6	
9	"	"	4	30.39	76	53	52	"	"	3	
10	"	"	4	30.39	75	52	49	"	"	3	
11	"	"	4	30.39	74	52	49	"	"	3	
Mid.	"	"	4	30.40	74	52	49	"	"	4	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, August 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Cloudy, stiff to moderate breeze from SE.
W. Roy Mason Jr. Asst.
Ensign U.S.N.

4 to 8 am
Overcast and pav. Light passing shower last hour.
Moderate to gentle breeze from SE.
Luigi Lee Holman
Lieut U.S.N.

8 am to Merid.
Cloudy & pav. Moderate breeze from SE. Wm Lindsey (C) absent without leave.
Lieut U.S.N.

Merid to 4 pm.
Overcast at first, then clearing. Moderate breeze from SE.
W. Roy Mason Jr.
Ensign U.S.N.

4 to 8 pm.
Clearing, cool weather. Moderate breeze from SE.
Lieut U.S.N.

8 pm to Mid.
Fair & pleasant. Moderate breeze from SE.
W. Roy Mason Jr.
Ensign U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres; A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S E	3			30.39	74	61	49		b cm	cir sh	2	
2				"	"	3			30.39	74	57	49		o c	"	0	
3				"	"	3			30.36	71	50	48		"	"	0	
4				"	E S E	5			30.36	70	57	49		"	"	0	
5				"	"	5			30.34	66	53	51		"	"	0	
6				"	S E	5			30.32	64	53	51		"	"	0	
7				"	"	5			30.37	67	54	52		"	"	0	
8				"	East	5			30.44	70	58	53		"	"	0	
9				"	"	4-5			30.46	73	53	54		"	numb	0	
10				"	"	4-5			30.42	78	57	53		"	"	0	
11				"	"	4-5			30.43	77	57	56		"	"	0	
Noon.				"	"	4-5			30.43	76	56	55		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1420 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1476 "

Coal consumed during the preceding 24 hours, tons 1260 lbs.

Coal remaining on hand at Noon, 137 " 1659 "

P. M.										
1		S by E	East	4	30.43	75	58	56	o c	xcmb 0
2		"	"	4	30.44	75	58	54	"	" 0
3		"	"	4	30.43	75	57	54	"	" 0
4		"	"	4	30.43	75	57	54	"	" 0
5		"	"	4	30.42	75	57	57	"	" 0
6		"	"	4	30.41	78	58	54	"	" 0
7		"	"	4	30.43	80	59	54	b c	" 4
8		"	"	4	30.43	78	58	54	"	" 1
9		"	"	4	30.42	76	57	55	o c g	" 0
10		"	"	4	30.43	75	56	55	b c	" 2
11		"	"	4	30.43	72	56	52	"	" 3
Mid.		"	"	5	30.44	69	55	52	"	" 4

under the command of Commander A. S. Snow, U. S. Navy,

Sunday August 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast - barometer falling at end of watch - Gentle breeze from S/E. Moderate squalls from E&SE at close of watch.

J T Newton
Lieut. U.S.N.

4 to 8 AM.
Cloudy, cold & raw. Fresh breeze from E&SE to East. Barometer rising rapidly. Recd 115 lbs fresh beef, 115 lbs vegetables & 92 lbs fresh bread for issue to crew.

Lieut. U.S.N.

8 AM to Merid.
Overcast & cloudy, moderate to stiff breeze from East. Mustered and inspected at quarters; and the Boarding Officer inspected the ship and crew. W. Lindsey (CK) absent without leave.

G. Ry Marmfield.
Ensign U.S.N.

Merid to 4 PM.
Overcast, barometer steady. Moderate breeze from East.

J T Newton
Lieut. U.S.N.

4 to 8 PM
Overcast then clearing. Moderate breeze from East.

G. Ry Marmfield
Ensign U.S.N.

8 PM to Mid.
Overcast and cloudy. Barometer steady. Moderate and fresh breeze from East.

J T Newton
Lieut. U.S.N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	East	4-5			30.46	67	53	52		o c g	rainb	0	
2				"	"	4-5			30.46	66	53	52		g	"	0	
3				"	"	4-5			30.46	66	53	52		b c g	"	3	
4				"	"	4-5			30.45	65	53	52		"	"	1	
5				"	"	5			30.45	66	53	53		"	"	4	
6				"	"	5			30.45	66	53	53		"	cir. rainb	3	
7				"	"	4-5			30.45	60	54	52		"	cir cum strat	2	
8				"	"	5			30.45	70	54	52		b c	"	1	
9				"	"	4			30.46	71	53	53		"	"	0	
10				"	"	4			30.47	78	56	53		"	"	6	
11				"	"	4			30.47	74	57	54		"	"	9	
Noon.				"	"	3			30.46	71	57	54		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water during the preceding 24 hours, 150 "

Water remaining on hand fit for use at Noon, 1311 "

Coal consumed during the preceding 24 hours, tons 1445 lbs.

Coal remaining on hand at Noon, 137 " 214 "

P. M.							
1	S by E	East	3	30.42	71	59 56	b c rainb 3
2	"	"	3	30.38	69	60 57	" " 4
3	"	"	3	30.37	68	60 57	" " 6
4	"	"	3	30.36	75	60 57	" cir cum rainb 7
5	"	"	3	30.37	73	60 57	" " 5
6	"	"	3	30.37	73	60 57	" " 2
7	"	"	2	30.37	75	59 57	o c d rainb 0
8	"	"	3	30.38	74	59 57	b c cir rainb 2
9	"	"	3	30.38	69	59 56	" " 1
10	"	"	4	30.32	69	58 55	" " 1
11	"	"	4	30.30	68	57 54	o c h cum str 0
Mid.	"	NNE	4	30.30	68	58 55	o c h cum rainb 0

under the command of Commander A. S. Snow, U. S. Navy,

Monday 17th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM Cloudy & squally. Moderate to fresh breezes from East.

C. E. Stone
Ensign U.S.N.

4 to 8 AM Partly cloudy. Moderate to stiff breeze from East. Recd for days of crew 116 lbs fresh beef, 116 lbs fresh vegetables and 92 lbs soft bread.

W. Ry Thorn Jr.
Ensign U.S.N.

8 AM to Merid. Bright and pleasant, barometer steady. Moderate to gentle breeze from East. At 9.30 mustered at quarters. Mr. Lindsey (CK) absent without leave. Drilled 1st Div. infantry, 2nd Div revolver, 3rd Div single sticks, Nav. Div artillery, Torp. Div rifle. Commenced distilling. The Comdg Officer adjudged the following punishments: J. H. Spear (C Pt) 6 3/4 hrs. overtime — red to 2nd class; 1 month. H. Heedmann (Sea) 23 3/4 hrs. overtime — red to 3rd class 1 1/2 months, W. J. Liggan (OS) Insolence to corpl of guard — 3 days bread and water in cell. H. A. Jones (Pvt) Insolence to sentry, 3 days bread and water in cell. R. Sherlock (Pvt) Not being alert on post — 8 hrs. extra duty. F. Serogie (Sea) Fight from liberty red to 2nd class 1 month.

W. J. Hunker
Lieut. U.S.N.

Merid to 4 PM. Cloudy. Gentle breezes from East. Recd in Engineers Department 3 lbs. Portland Cement. Sent liberty party ashore.

C. E. Stone
Ensign U.S.N.

4 to 8 PM. Overcast — drizzling between 6 & 7, barometer steady. Gentle to light breeze from East. H. Lindsey returned on board.

W. J. Hunker
Lieut. U.S.N.

8 PM to Mid. Cloudy with rain last hour. Gentle and moderate breezes from East & NE.

C. E. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	ENE	4			30.26	66	56	54		o c d	Numb	0	
2				"	"	4			30.24	66	55	54		o c lp	"	0	
3				"	"	4			30.18	64	54	53		"	"	0	
4				"	"	4			30.16	62	54	53		"	"	0	
5				"	"	4			30.12	63	55	54		o c p	"	0	
6				"	"	4			30.10	61	56	55		"	"	0	
7				"	"	4			30.09	64	57	56		"	"	0	
8				"	NE	3			30.08	68	58	56		"	"	0	
9				"	NNE	2			30.08	71	59	58		o c p ll	"	0	
10				"	North	2			30.08	73	61	59		o c p	"	0	
11				"	"	2			30.08	78	61	59		"	"	0	
Noon.				"	"	2			30.06	80	61	59		o c p ll	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 330 gallons.

Water Distilled during the preceding 24 hours, 1291 "

Water remaining on hand fit for use at Noon, 2272 "

Coal consumed during the preceding 24 hours, 1 tons 440 lbs.

Coal remaining on hand at Noon, 135 " 2014 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				SbyE	North	2			30.01	80	61	59		o c p l	cum nimb	0	
2				"	"	2			29.96	78	61	59		"	"	0	
3				"	"	1			29.93	75	61	59		o c m d	"	0	
4				"	"	1			29.91	73	61	59		o c p	"	0	
5				"	"	2			29.89	74	62	61		"	"	0	
6				"	"	2			29.90	77	64	62		"	"	0	
7				"	SW	2			29.90	78	63	63		o c d	"	0	
8				"	"	2			29.90	78	63	61		"	"	0	
9				"	"	1			29.91	73	63	60		o c p	"	0	
10				"	"	1			29.90	78	61	59		"	"	0	
11				"	"	1			29.90	76	61	59		"	"	0	
Mid.				"	"	1			29.90	74	62	59		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday August 18th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 AM.
Overcast. Rainy. Lightning. Moderate breeze from ENE.
Fuqua Fullerton
Lieut. U.S.N.

4 to 8 AM.
Overcast raing. Barometer steady. Moderate to gentle breze from ENE and NE.
H.J. Taylor
Lieut U.S.N.

8 am to Merid.
Overcast - cloudy & raining. Light - breezes from NNE and North.
C.M. Stone
Ensign U.S.N.

Merid to 4 pm.
Overcast - with steady rain. Lightning first part - Light airs & breezes from North.
Fuqua Fullerton
Lieut. U.S.N.

4 pm to 8 pm.
Overcast, cloudy & drizzling. Light - breze from North and SW.
C.M. Stone
Ensign U.S.N.

8 pm to Mid.
Overcast - and raining. Light - airs from SW.
Fuqua Fullerton
Lieut - U.S.N.

Examined and found to be correct.

L.K. Curtis
Land Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	W S W	3			29.87	71	61	53		o c d	nimb.	0	
2				"	"	3			29.84	68	59	57		"	"	0	
3				"	"	2			29.82	64	58	56		"	"	0	
4				"	S W	2			29.80	62	57	55		o c p	"	0	
5				"	"	3			29.80	62	56	54		"	"	0	
6				"	"	4			29.79	62	54	53		o c d	"	0	
7				"	"	4			29.78	63	53	52		"	"	0	
8				"	"	4			29.79	64	52	51		"	"	0	
9				"	"	4			29.86	73	53	52		a c p	"	0	
10				"	"	4			29.88	77	54	52		a c g p	"	0	
11				"	"	4			29.88	75	54	52		"	"	0	
Noon.				"	"	3			29.88	76	54	52		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water Distilled during the preceding 24 hours, 1253 "

Water remaining on hand fit for use at Noon, 3200 "

Coal consumed during the preceding 24 hours, 1 tons 1440 lbs.

Coal remaining on hand at Noon, 134 " 1374 "

P. M.														
1			S by E	W S W	3		29.88	78	53	54	o c d	nimb	0	
2			"	"	3		29.87	78	56	54	"	"	0	
3			"	"	3		29.88	81	57	54	o c	"	0	
4			"	"	4		29.89	83	58	56	b c d	"	2	
5			"	"	3		29.91	78	59	56	b c	cum str.	3	
6			"	"	4		29.91	74	59	56	"	"	6	
7			"	"	3-4		29.92	70	58	56	b c g d	cum nimb	2	
8			"	"	3		29.94	78	58	56	b c	cum str	6	
9			"	"	3		29.98	80	58	53	"	cir. cum str		
10			"	"	3		29.99	81	57	54	"	"	9	
11			"	"	2		30.00	80	56	53	"	"	8	
Mid.			"	"	2		30.01	80	56	53	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday Aug 19th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast with light drizzle, first three hours, steady rain last hour. Brisk and moderate breze from WSW and SW.

~~J. Briggs~~
Lieut. U. S. N.

4 to 8 AM.
Cloudy and overcast with drizzling rain. Gentle and moderate breezes from SW. Receiving Pay Dept 716 lbs fresh beef and vegetables and 90 lbs soft bread.

C. W. Stone
Ensign U. S. N.

8 AM to Merid.
Overcast. Passing showers. Moderate to stiff breze from SW.

Geo. F. Holman
Lieut. U. S. N.

Merid to 4 PM.
Overcast and cloudy with occasional light drizzle. Fresh to moderate breze from WSW.

~~J. Briggs~~
Lieut. U. S. N.

4 to 8 PM.
Clearing generally. A light passing drizzle third hour. Stiff to gentle breze from WSW with a short stiff squall third hour.

Geo. F. Holman
Lieut. U. S. N.

8 PM to Mid.
Clear bright moonlight & starlight. Gentle to light breze from WSW.

~~J. Briggs~~
Lieut. U. S. N.

Examined and found to be correct.

M. K. Hunter
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	W S W	3			30.00	78	57	54		bc	cir cum	8	
2				"	"	3			30.00	72	56	53		"	"	7	
3				"	"	4			29.99	69	56	53		"	"	5	
4				"	"	4			29.99	68	53	52		"	"	9	
5				"	"	4			29.99	66	54	51		"	cir	9	
6				"	"	4			29.99	65	53	50		"	"	9	
7				"	"	4			30.01	61	57	49		bc cum	"	9	
8				"	"	4			30.03	64	57	49		bc m	"	10	
9				"	"	4			30.04	71	54	51		"	"	10	
10				"	"	4			30.05	74	56	53		"	"	10	
11				"	"	5			30.07	75	58	54		"	"	10	
Noon.				"	"	4-6			30.07	71	60	56		bcg	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observation ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2780 "

Coal consumed during the preceding 24 hours, tons 1430 lbs.

Coal remaining on hand at Noon, 134 " 144 "

P. M.																	
1				S by E	W S W	4			30.08	69	62	57		bc	xcmc	10	
2				"	"	4			30.08	69	63	58		bc	cir. cum	9	
3				"	"	4			30.08	69	64	59		bcu	xcmc	10	
4				"	"	4			30.08	70	64	59		"	"	10	
5				"	"	3			30.08	70	64	60		"	"	10	
6				"	"	2			30.09	70	63	59		bc	cir cum	9	
7				"	"	1			30.12	80	63	59		"	"	9	
8				"	"	1			30.14	80	62	59		"	"	9	
9				"	W	1			30.13	78	61	58		"	"	9	
10				"	"	1			30.14	75	60	57		"	"	9	
11				"	"	2			30.15	75	59	57		"	"	4	
Mid.				"	"	2			30.16	75	59	57		"	"	2	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday Aug 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am
Clear and pleasant, gentle to moderate breeze
from WSW.
W. Roy Mason 3rd
Ensign U.S.N.

4 to 8 am. Hazy. Moderate breeze from WSW.
Geo. Luthman
Lieut U.S.N.

8 am to Merid.
Clear & pleasant weather. Moderate to fresh breeze from
WSW with occasional fresh squalls. Last hour. Misty about
horizon. At 9.30 mustered at quarters & sent out boats for distant
service. Steam launch ready in 2m 57sec, SL. launch in 2m 09s,
1st cutter 1m 38s 2nd Cutter 1m 46 sec, Whale Boat 2m 20 sec, Gig
1m 59 sec Wm Linchey (cbl) 2022 reduced to 4th class 3 months &
$5 Monthly money, by order of Comdg. Officer for overstaying
leave 96 hours.
Lieut U.S.N.

Merid to 4 pm.
Clear and fine, moderate breeze from WSW.
W. Roy Mason 3rd
Ensign U.S.N.

4 to 8 pm.
Clear & pleasant. Bright starlight last hour.
Gentle breeze to very light airs from WSW.
Lieut. U.S.N.

8 pm to Mid.
Clear & fine, light airs to light breeze from
NW.
W. Roy Mason 3rd
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres; A. R.

Hour.	Knots.	Tenths.	Reading of Pateat Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West	2			30.19	73	57	57		oc	rainb	0	
2				"	"	2			30.19	71	58	56		"	"	0	
3				"	"	3			30.19	70	59	56		"	"	0	
4				"	NW	2			30.19	71	60	59		bc	"	3	
5				"	SE	1			30.19	72	60	57		bcl	circum	7	
6				"	South	2			30.22	72	59	56		"	"	5	
7				"	"	1			30.23	64	58	56		bc	"	2	
8				"	SW	1			30.25	63	59	57		bcm	"	1	
9				"	WSW	1			30.29	70	60	57		ocm	"	0	
10				"	"	1			30.33	78	61	58		bcp	"	5	
11				"	NNW	2			30.34	78	63	61		bc	"	5	
Noon.				"	SW	1			30.35	78	62	59		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2360 "

Coal consumed during the preceding 24 hours, tons 1030 lbs.

Coal remaining on hand at Noon, 133 " 13574 "

P. M.														
1			S by E	SW	2			30.34	78	63	60	bc	cir cum	8
2			"	"	1			30.33	78	63	61	b	hom	10
3			"	"	1			30.32	77	63	62	"	"	10
4			"	SE	1			30.33	76	60	62	"	"	10
5			"	NE	1			30.34	75	60	62	"	"	10
6			"	Calm	0			30.34	76	63	62	"	"	10
7			"	"	0			30.36	79	63	60	bo	"	10
8			"	"	0			30.36	79	62	59	"	"	10
9			"	"	0			30.37	78	61	58	"	"	10
10			"	"	0			30.38	78	60	57	"	"	10
11			"	"	0			30.38	76	59	57	"	"	10
Mid.			"	"	0			30.38	76	59	57	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,
Friday August 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 AM.
Overcast, barometer steady. Light breeze from West.
J. J. Hunter
Lieut. U. S. N.

4 to 8 AM.
Partly cloudy, pleasant weather. Light airs from S.E. to S.W. Rec'd 116 3/4 lbs. each vegetables and meat & 90 lbs. bread in Pay Dep't.

8 AM to Merid.
Passing showers at first, then clear. Variable light airs and breeze. Mustered at quarters.
W. Roy Rhodes Jr.
Ensign U. S. N.

Merid to 4 PM.
Bright and pleasant. Barometer steady. Light airs from S'd & E.
J. J. Hunter
Lieut. U. S. N.

4 to 8 PM.
Clear and pleasant, calms & variable light airs.
W. Roy Rhodes Jr.
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant, full moon. calm.
J. J. Hunter
Lieut. U. S. N.

Examined and found to be correct.

L. U. Sumner
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	Calm	0			30.33	76	58	56		b c	none	10	
2				"	"	0			30.36	71	58	56		"	"	10	
3				"	NE	1			30.36	71	67	66		"	"	10	
4				"	"	1			30.36	70	67	66		"	"	10	
5				"	"	2			30.37	69	57	55		"	"	10	
6				"	NNE	2			30.37	67	57	58		"	"	10	
7				"	"	2			30.37	61	58	55		b	"	10	
8				"	"	2			30.38	63	58	56		"	"	10	
9				"	"	2			30.38	63	59	57		"	"	10	
10				"	"	2			30.38	70	61	57		"	"	10	
11				"	"	3			30.39	72	62	58		b c	cir cum	9	
Noon.				"	"	3			30.40	73	63	59		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, tons 1030 lbs.

Coal remaining on hand at Noon, 133 " 324 "

P. M.										
1		S by E	North-	2	30.39	74	66	61	b c	cir cum 9
2		"	"	2	30.38	73	66	61	"	" 9
3		"	"	1	30.37	73	66	61	b	none 10
4		"	East-	1	30.34	74	63	59	"	" 10
5		"	E S E	1	30.36	75	62	59	"	" 10
6		"	"	1	30.36	76	61	58	b c	" 10
7		"	"	1	30.29	78	62	59	"	" 10
8		"	"	1	30.30	77	62	59	"	" 10
9		"	NE	2	30.32	74	64	60	"	" 10
10		"	"	2	30.32	74	64	60	"	" 10
11		"	"	3	30.32	74	63	59	"	" 10
Mid.		"	"	3	30.32	71	62	58	b	" 10

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, Aug 22nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM
Clear and pleasant. Heavy dew. Calm and light airs from NE.

D. Ellerstone
Ensign U.S.N.

4 to 8 AM.
Clear and pleasant, light breeze from NE to NNE.

W. Ry Brown Jr.
Ensign U.S.N.

8 AM to Merid.
Bright and pleasant, barometer steady. Light to gentle breeze from NNE. H. A. Jones (Pvt) was confined in cell 5 days bread and water for insolence to yeoman according to punishment assigned by Comdg Officer 17th inst. vice Wm Liggan (OS) who was released and placed under sentence. Single jibes.

J. T. Murphy
Lieut U.S.N.

Merid to 4 PM.
Clear & pleasant. Light airs and breeze from North and East. Sent liberty party ashore. The Argentine torpedo cruiser "Maipu" left the dock.

D. Ellerstone
Ensign U.S.N.

4 to 8 PM.
Bright and pleasant, barometer steady. Light airs from ESE.

J. T. Murphy
Lieut U.S.N.

8 PM to Mid.
Clear and pleasant. Light and gentle breezes from NE.

D. Ellerstone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemon
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	3			30.29	68	62	57		bc	cir cumu	9	
2				"	"	3			30.28	68	61	56		"	"	9	
3				"	"	3			30.25	67	60	56		"	"	9	
4				"	"	3			30.25	66	59	55		"	"	9	
5				"	NNE	3			30.23	66	58	55		"	"	9	
6				"	"	3			30.23	63	58	55		"	cir strs	8	
7				"	North-	3			30.23	63	57	54		"	"	7	
8				"	"	3			30.22	66	57	54		"	"	8	
9				"	"	3			30.24	70	58	55		"	"	8	
10				"	"	2			30.24	72	60	56		"	"	8	
11				"	"	1			30.23	74	61	57		"	"	9	
Noon.				"	"	1			30.21	75	63	59		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 392 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1608 "

Coal consumed during the preceding 24 hours, tons 940 lbs.

Coal remaining on hand at Noon, 132 " 1624 "

P. M.										
1	S by E	NNE	2	30.17	77	65	61	bc	cir cumu strs	7
2	"	"	2	30.15	77	65	61	"	"	7
3	"	ENE	2	30.12	73	65	61	"	"	7
4	"	ESE	2	30.11	72	65	61	"	"	8
5	"	"	2	30.11	70	63	60	"	"	8
6	"	"	2	30.10	73	62	59	bc nb	"	6
7	"	"	1	30.10	75	62	59	"	"	8
8	"	"	1	30.10	75	62	59	"	"	9
9	"	"	1	30.10	73	61	59	"	"	9
10	"	"	2	30.10	73	61	58	b nb	none	10
11	"	"	2	30.10	73	60	58	b c nb	cir	9
Mid.	"	"	2	30.09	71	60	58	"	cir strs	9

under the command of Commander A. S. Snow, U. S. Navy,
Sunday August 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear and pleasant. Gentle breeze from NE. Bright moonlight.

Geo H Coleman
Lieut U. S. N.

4 to 8 am.
Bright and pleasant. Barometer steady. Gentle breeze from NNE and North. Rec'd in Pay Dept 116 3/4 lbs fresh beef 116 3/4 lbs fresh vegetables & 93 lbs soft bread.

J. H. Dayton
Lieut U. S. N.

8 am to Merid.
Clear & pleasant. Light airs to gentle breeze from North. At 9.30 mustered at quarters and at 10.00 the Comdg. Officer inspected ships and crew at quarters.

C. E. Stone
Ensign U. S. N.

Merid to 4 pm.
Clear & pleasant. Light breeze from NNE to ESE. Sent a liberty party ashore.

Geo H Coleman
Lieut U. S. N.

4 to 8 pm.
Clear & pleasant. Light airs and breezes from ESE.

C. E. Stone
Ensign U. S. N.

8 pm to Mid.
Clear & pleasant. Heavy dew. Light airs and breezes from ESE.

Geo H Coleman
Lieut U. S. N.

Examined and found to be correct.

A. K. Lucas
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	East	2			30.08	70	61	59		b m	none	10	
2				"	"	2			30.07	70	61	59		"	"	10	
3				"	S E	1			30.06	70	60	58		"	"	10	
4				"	S by E	1			30.04	70	57	55		"	"	10	
5				"	S S E	1			30.01	68	54	52		b m w	"	10	
6				"	"	1			30.00	67	53	52		o c f p	cum	0	
7				"	S E	2			30.00	61	53	52		"	"	0	
8				"	E S E	3			30.01	61	54	53		"	"	0	
9				"	East	3			30.01	74	55	54		o c f	nimb	0	
10				"	"	3			30.02	77	68	57		"	"	0	
11				"	"	3			30.03	73	59	57		o c m	"	0	
Noon.				"	"	2			30.02	76	59	58		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 408 gallons.

Water Distilled during the preceding 24 hours, 190 "

Water remaining on hand fit for use at Noon, 1390 "

Coal consumed during the preceding 24 hours, tons 1030 lbs.

Coal remaining on hand at Noon, 132 " 594 "

P. M.													
1		S by E	East	1	30.01	70	60	58		b c m	cir cum	1	
2		"	"	2	30.00	69	59	57		"	"	2	
3		"	E S E	2	29.99	69	58	57		"	"	2	
4		"	"	2	29.99	69	60	58		"	"	4	
5		"	"	3	29.98	68	60	58		"	nimb	4	
6		"	"	3	29.99	71	60	58		o c m	"	0	
7		"	"	3	30.02	73	61	59		o c	"	0	
8		"	S E	3	30.03	73	58	56		"	"	0	
9		"	"	2	30.05	75	58	56		o c m	"	0	
10		"	"	2	30.05	75	58	56		"	"	0	
11		"	"	2	30.08	75	56	54		"	"	0	
Mid.		"	"	3	30.08	70	53	54		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Monday Aug 24th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 AM.
Clear & pleasant till about 3.30 then foggy heavy dew
Light breeze to very light airs from East to ESE by E.

Lieut U.S.N.

4 to 8 AM
Overcast & foggy most of watch Light airs to gentle breeze from SSE to ESE. Rec'd in Pay Dept 116¼ lbs fresh beef and vegetables & 93 lbs soft bread.

Ensign U.S.N.

8 AM to Mrid
Foggy first part then hazy. Gentle to light breeze from East. At 9.30 Mustered at quarters and drilled according to routine. The "Maipu" went out into the river

Lieut U.S.N.

Mrid to 4 PM
Generally cloudy & misty. Light airs & light breeze from East & ESE. Boat crews engaged splicing boat falls & stoppers. Distilling.

Lieut U.S.N.

4 to 8 PM
Clouding over. Gentle breeze from ESE to SE.

Lieut U.S.N.

8 PM to Mid.
Cloudy & misty. Light to gentle breeze from SE. Distilling.

Lieut U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	ESE	4			30.10	63	57	53		b cm	cir cum	2	
2				"	"	4			30.10	63	54	52		"	"	1	
3				"	"	4			30.10	62	54	52		"	"	1	
4				"	"	4			30.10	61	54	53		o cm	"	0	
5				"	"	3-4			30.10	60	55	54		oc	nimb	0	
6				"	"	4-5			30.10	60	55	54		oc g	"	0	
7				"	"	4-5			30.10	60	55	54		o cm	"	0	
8				"	"	4-5			30.10	68	56	55		"	"	0	
9				"	"	4			30.13	75	56	55		o cf	"	0	
10				"	"	4			30.14	76	58	57		"	"	0	
11				"	"	4			30.14	72	58	57		"	"	0	
Noon.				"	"	4			30.12	70	58	57		o cm	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water Distilled during the preceding 24 hours, 1446 "

Water remaining on hand fit for use at Noon, 2496 "

Coal consumed during the preceding 24 hours, 1 tons 410 lbs.

Coal remaining on hand at Noon, 131 " 1814 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				S by E	ESE	4			30.08	69	58	57		a cm	nimb	0	
2				"	"	4			30.08	69	59	58		"	"	0	
3				"	"	4			30.02	70	60	59		"	"	0	
4				"	"	4			30.00	69	61	59		b cm	"	2	
5				"	"	4			29.97	69	60	59		"	cir cum	2	
6				"	East	4			29.96	77	61	60		b cl	"	1	
7				"	NE	3			29.95	79	64	62		"	cum str	5	
8				"	"	2			29.96	78	64	63		"	"	7	
9				"	"	2			29.96	78	65	63		"	"	7	
10				"	"	2			29.96	77	65	63		b cl	"	7	
11				"	"	1			29.96	78	65	62		"	"	8	
Mid.				"	SE	2			29.96	77	63	62		b cl w	"	8	

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday Aug 25th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Cloudy hen overcast, moderate breze from ESE.
W. Ry Mann Jr Asst.
Ensign U.S.N.

4 to 8 AM.
Overcast and misty. Gentle to moderate breze from ESE with moderate to stiff squalls.
Jno Guthman
Lieut U.S.N.

8 AM to Merid.
Cloudy & foggy. Moderate breze from ESE. At 9.30 mustered at quarters and exercised at fire quarters 1st stream in 0m16sec, 2nd stream in 0m25sec, 3rd stream 0m20sec, 4th stream 0m50sec. Distilling.
Lieut U.S.N.

Merid to 4 PM.
Generally overcast, moderate breze from ESE.
W. Ry Mann Jr Asst.
Ensign U.S.N.

4 to 8 PM.
Cloudy first two hours; clear overhead last two. Frequent lightning all around horizon last three hours. Moderate to light breze from ESE shifting to East & NE. Distilling.
Lieut U.S.N.

8 PM to Mid.
Fair and pleasant, light breze to light air from NE. shifting to SE.
W. Ry Mann Jr Asst.
Ensign U.S.N.

Examined and found to be correct.

W. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SE	1			29.96	77	63	52		bc ll-rainb		5	
2				"	"	1			29.94	76	63	61		oc ll r	"	0	
3				"	"	1			29.92	75	62	60		"	"	0	
4				"	"	1			29.91	76	61	59		"	"	0	
5				"	"	1			29.88	75	63	62		"	"	0	
6				"	"	1			29.88	74	63	62		oc ll-p	"	0	
7				"	ME	1			29.89	70	64	63		oc l	"	0	
8				"	"	2			29.88	66	63	62		"	"	0	
9				"	"	2			29.88	66	64	62		"	"	0	
10				"	"	2			29.88	72	65	63		oc d l	"	0	
11				"	"	1			29.89	74	63	62		oc	cirro rainb	0	
Noon.				"	SW	1			29.89	74	66	64		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' ''
- Longitude by D. R. ° ' ''
- Latitude by observations of ⊙ ° ' ''
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' ''

Position at 8 a. m.
- Latitude by ° ' ''
- Longitude by ° ' ''

Position at 8 P. M.
- Latitude by ° ' ''
- Longitude by ° ' ''

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' ''

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' ''

Variation of the Compass by Azimuth ⊙ observed at " ° ' ''

Variation of the Compass by Azimuth ⊙ observed at " ° ' ''

Water expended during the preceding 24 hours, 410 gallons.

Water Distilled during the preceding 24 hours, 986 "

Water remaining on hand fit for use at Noon, 3072 "

Coal consumed during the preceding 24 hours, 1 tons 50 lbs.

Coal remaining on hand at Noon, 130 " 134 "

P. M.																	
1				SbyE	SW	2			29.89	70	65	64		oc m	rainb		
2				"	SSW	3			29.90	69	64	63		"	"		
3				"	South	4			29.91	68	62	61		"	"		
4				"	"	4			29.95	67	61	60		"	"		
5				"	"	4			29.96	67	61	60		"	"		
6				"	"	4			30.00	74	59	58		bc	"		
7				"	"	4			30.05	75	58	57		"	"		
8				"	"	4			30.10	78	58	57		"	"		
9				"	"	2			30.15	77	58	57		b m	rainb		
10				"	"	2			30.17	76	58	56		"	"		
11				"	"	1			30.20	76	58	56		"	"		
Mid.				"	"	1			30.22	76	57	56		b c m	cir cum		

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday Aug 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am
Light airs from SE with vivid lightning and heavy thunder. Raining in heavy showers after two o'clock.

Jno H Holman
Lieut U.S.N.

4 to 8 am.
Cloudy with frequent lightning. Very light airs from SE first part, shifting to NE last half. Stopped distilling. Rec'd 116 3/4 lbs fresh bread, 116 3/4 lbs vegetables & 93 lbs soft bread in Pays Depot.

8 am to Mrid
Overcast & rainy light breeze to light airs from NE & shifting to light airs from SW.

[illegible]
Lieut U.S.N.

Mrid to 4 pm
Overcast & pleasant. Barometer rising. Light breeze to moderate from SE.

W. Roy Mason Jr.
Ensign U.S.N.

4 to 8 pm.
Overcast then clearing, moderate breeze from South.

J W Hunter
Lieut U.S.N.

8 pm to Mid.
Clear & pleasant. Barometer rising. Light breeze from South.

C. Roy Mason Jr.
Ensign U.S.N.

J W Hunter
Lieut U.S.N.

Examined and found to be correct.

G. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres. A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SSE	2			30.22	73	56	55		ac 10	nimb	0	
2				"	"	2			30.22	72	57	55		bc 10	"	4	
3				"	"	3			30.20	70	53	52		"	"	4	
4				"	"	4			30.19	68	53	51		ac	"	0	
5				"	"	3-5			30.19	68	52	50		ac cg	"	0	
6				"	SE	3-4			30.23	67	52	51		ac	"	0	
7				"	"	3			30.28	68	53	52		"	"	0	
8				"	"	3			30.30	71	54	52		"	c "	0	
9				"	SSE	2			30.33	71	54	51		bc	cir cum	7	
10				"	"	3			30.34	73	53	51		"	"	1	
11				"	"	3			30.34	73	55	53		"	"	5	
Noon.				"	SE	2			30.34	74	58	55		"	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 365 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2707 "

Coal consumed during the preceding 24 hours, tons 1120 lbs.

Coal remaining on hand at Noon, 129 " 7254 "

P. M.												
1		SbyE	SE	2	30.32	72	58	56	bc	cir cum	4	
2		"	"	2	30.29	70	59	56	"	"	2	
3		"	"	2	30.27	68	59	56	"	"	2	
4		"	"	2	30.27	68	59	56	"	"	4	
5		"	"	3	30.28	67	58	55	"	"	4	
6		"	"	3	30.28	71	59	55	"	nimb	4	
7		"	"	3	30.28	71	60	56	"	"	4	
8		"	"	3	30.29	70	61	57	"	"	4	
9		"	"	3	30.29	70	66	62	"	"	4	
10		"	"	3	30.29	70	67	62	"	"	4	
11		"	"	3	30.28	69	65	59	"	"	4	
Mid.		"	"	3	30.28	66	61	56	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday 27th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences: and till 4 AM.
Partly clear, then overcast, light to moderate breezes from SSE.

W. Roy Mason Gill.
Ensign U.S.N.

4 to 8 AM.
Overcast and cloudy, equally first 4 or 5 hours. Gentle to fresh breezes from SSE & SE

Clinton
Ensign U.S.N.

8 AM to Mrid
Cloudy, occasionally bright: Barometer steady. Light to gentle breeze from Sd

J. H. Hayden
Lieut U.S.N.

Mrid to 4 PM.
Cloudy. Light breezes from SE. Sent liberty party ashore.

Clinton
Ensign U.S.N.

4 to 8 PM.
Cloudy and pleasant: Light to gentle breeze from S by E. Barometer steady.

J. H. Hayden
Lieut. U.S.N.

8 PM to Mrid.
Cloudy. Gentle breezes from SE.

Clinton
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SbyE	SE	1			30.26	60	56	53		b m o	none	10	
2				"	"	1			30.24	62	52	50		"	"	10	
3				"	"	1			30.23	62	49	47		"	"	10	
4				"	South	1			30.20	61	48	46		"	"	10	
5				"	"	1			30.19	58	48	46		b c m	cir	9	
6				"	"	3			30.18	58	47	45		"	"	9	
7				"	NNE	2			30.18	55	50	47		b c	"	8	
8				"	"	3			30.18	50	53	50		b c m	cir stk	5	
9				"	NE	3			30.17	69	57	49		b c	cir cum nimb	4	
10				"	"	3			30.20	74	53	51		"	cir cum strat.	8	
11				"	"	3			30.20	70	56	54		"	"	5	
Noon.				"	NNE	3			30.20	69	58	55		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 403 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2304 "

Coal consumed during the preceding 24 hours, tons 940 lbs.

Coal remaining on hand at Noon, 129 " 314 "

P. M.														
1		SbyE	North	2			30.17	67	60	55	b c	cir stk	5	
2		"	NE	1			30.15	66	60	56	"	"	6	
3		"	"	1			30.12	67	60	55	"	"	6	
4		"	"	1			30.11	67	60	56	"	"	4	
5		"	"	1			30.09	68	60	56	"	"	2	
6		"	"	2			30.09	81	61	57	"	"	2	
7		"	NNE	2			30.09	78	62	58	b m	nimb	10	
8		"	"	2			30.09	78	62	58	"	"	10	
9		"	"	3			30.08	78	61	57	"	"	10	
10		"	North	3			30.08	76	60	56	"	"	10	
11		"	"	3			30.08	76	60	56	"	"	10	
Mid.		"	"	3			30.07	74	60	56	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Friday Aug 28th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced & until 4 AM.
Clear & pleasant: Heavy dew. Light airs from SE.

Jas H Holman
Lieut U.S.N.

4 to 8 AM.
Clear & pleasant: Barometer steady. Wind light and variable. Recd in Pay Dept 116 3/4 lbs fresh beef & 116 3/4 lbs fresh vegetables & 93 lbs soft bread.

W Hunter
Lieut U.S.N.

8 AM to Mepid.
Partially cloudy. Gentle breeze from NE & NNE. At 9.30 AM exercised at general quarters times of div as follows. 1st Div 1m 49sec 2nd Div 1m 40sec 3rd 1m 26sec, Navg 1m 41sec, Powd 2m 03sec, Engr 1m 25, Marine guard 1m 15sec, Surg 1m 18sec Pay 1m 01sec. Released W. J. Liggan from sentrys charge & confined him to limits of ship by order of Comdg. Officer and confined H. A. Jones (Pvt) to await trial of summary court. Delivered a copy of specifications preferred by Comdr A. S. Snow against H. A. Jones (Pvt). The Comdg Officer adjudged the following punishments: T. Behn (Pvt) blister bag in lucky bag - two hours extra duty. D. H. Lynch (Pvt) Neglect of duty - 4 hrs extra duty.

C. M. Stone
Ensign U.S.N.

Merid to 4 PM
Fair light airs and breezes from North to NE. Sent a liberty party ashore.

Jas H Holman
Lieut U.S.N.

4 to 8 PM.
Cloudy first two hours: Clear & pleasant last two. Light airs and breezes from NNE & NE.

C. M. Stone
Ensign U.S.N.

8 PM to Mid.
Hazy. Gentle breeze from NNE to North.

Jas H Holman
Lieut U.S.N.

Examined and found to be correct.

H. K. Lemly
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres - R. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	North-	3			30.05	74	59	56		bc	cirrus	4	
2				"	"	4			30.04	73	58	56		"	"	3	
3				"	"	4			30.00	72	58	56		"	"	3	
4				"	"	3			29.98	72	58	55		"	"	4	
5				"	"	3			29.96	68	58	56		"	cumu	8	
6				"	"	4			29.94	64	58	56		"	cumu nimb	1	
7				"	"	3			29.93	62	59	57		oc	"	0	
8				"	"	3			29.93	69	60	58		"	"	0	
9				"	"	2			29.93	70	60	58		"	"	0	
10				"	"	1			29.93	70	60	58		"	"	0	
11				"	ENE	1			29.92	67	61	59		"	"	0	
Noon.				"	"	2			29.92	66	60	57		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' ".

Water expended during the preceding 24 hours, 370 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1934 "

Coal consumed during the preceding 24 hours, tons 9 lbs. 40

Coal remaining on hand at Noon, 128 " 1614 "

P. M.														
1		S by E	ENE	2			29.94	73	60	58	oc	nimb	0	
2		"	NE	2			29.94	73	61	59	"	"	0	
3		"	ENE	3			29.92	79	61	58	"	"	0	
4		"	"	3			29.90	80	61	58	"	"	0	
5		"	East	2			29.90	82	61	58	"	"	0	
6		"	"	1			29.92	87	62	60	"	"	0	
7		"	"	1			29.94	83	64	61	"	"	0	
8		"	SW	1			29.94	77	64	60	oc m	"	0	
9		"	"	1			29.95	75	61	59	"	"	0	
10		"	"	1			29.95	75	60	58	bc m	circum	4	
11		"	"	1			29.95	74	61	57	b m	nimb	10	
Mid.		"	"	1			29.95	75	60	57	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,
Saturday Aug 29th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences - & till 4 AM.
Generally cloudy, Gentle to moderate breeze from North-

Lieut U.S.N.

4 to 8 AM.
Clear & pleasant - first part: Clouding over last part: Gentle and moderate breezes from North.

A.M. Stone
Ensign U.S.N.

8 AM to Mejd.
Overcast. Light airs and breezes from North to E/E.
C. Smith (Sea) returning aboard from liberty drunk and disorderly was put under sentrys charge in single irons for safe Keeping. A Summary Court Martial for the trial of H.A. Jones (Pvt) convened at 10.16 and adjourned at 11 to avoid action of revising authority.

Jno W Holman
Lieut U.S.N.

Mejd to 4 PM
Overcast. Light to gentle breeze from E/E & NE.

Lieut U.S.N.

4 to 8 PM.
Overcast. Light airs & breezes from East. C. Smith (Sea) was released from sentrys charges.

Jno W Holman
Lieut U.S.N.

8 PM to Mid.
Overcast first hour, clear last two hours: Misty. Light airs from SW.

Lieut U.S.N.

Examined and found to be correct.

A.K. Lemly
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos-Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSW	2			29.94	71	58	56		b w	nimb	10	
2				"	"	2			29.94	70	56	54		b w m	"	6	
3				"	SW	2			29.94	66	55	53		"	"	6	
4				"	"	2			29.94	65	55	53		"	"	6	
5				"	"	1			29.94	61	52	51		w m	cum	8	
6				"	"	2			29.94	67	52	50		o f w	"	0	
7				"	"	2			29.96	59	52	51		"	"	0	
8				"	"	1			29.98	60	53	51		"	"	0	
9				"	WSW	1			30.02	64	57	55		o c m	nimb	0	
10				"	"	1			30.07	71	55	54		"	"	0	
11				"	"	1			30.08	72	58	55		b c	circum	4	
Noon.				"	NE	1			30.07	72	61	58		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 430 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1304 "

Coal consumed during the preceding 24 hours, tons 940 lbs.

Coal remaining on hand at Noon, 128 " 674 "

P. M.														
1			S by E	NE	2	30.06	71	63	60	b c	cir cum	7		
2			"	"	2	30.04	70	64	61	"	"	7		
3			"	North-	2	30.03	68	64	60	o c	"	0		
4			"	"	2	30.03	67	63	59	"	"	0		
5			"	NE	2	30.03	68	62	59	b c	nimb	1		
6			"	"	2	30.02	69	62	59	"	"	1		
7			"	ENE	1	30.02	71	62	59	"	"	1		
8			"	ESE	1	30.06	73	62	59	"	"	1		
9			"	NW	1	30.08	72	63	60	"	"	2		
10			"	"	1	30.07	71	62	59	o c	"	0		
11			"	"	1	30.07	71	61	58	b c	cir cum	6		
Mid.			"	"	1	30.08	71	60	58	"	"	9		

under the command of Commander A. S. Snow, U. S. Navy,

Sunday Aug 30th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences - & till 4 am.
Partly cloudy, light - breeze from S & SW & W.
W. Roy Mason Jr.
Ensign U. S. N.

4 to 8 am.
Foggy. Light - airs & breezes from SW. Recd on board for use of crew 115 lbs each fresh meat & vegetables and 92 lbs bread.
Jno T. Hathaman
Lieut - U. S. N.

8 am to Merid
Overcast & misty - first two hours; clearing last two. Barometer pising. Light - airs - from WSW first part - shifting to NE last hour. At 9.30 mustered at quarters & at 10 Comdg. Officer inspected the crew & ships. H. Nygren (Ap.Sr.) absent without leave.
[illegible]
Lieut - U. S. N.

Merid to 4 pm.
Clear & pleasant - first part - cloudy last two hours: Light breezes from NNE & North: Sent liberty party ashore.
W. Roy Mason Jr.
Ensign U. S. N.

4 to 8 pm.
Cloudy. Light - breeze to light - airs from NNE to ESE.
[illegible]
Lieut - U. S. N.

8 pm to Mid.
Partly overcast & partly clear. Light - airs from W.
do. Roy Mason Jr.
Ensign U. S. N.

Examined and found to be correct.

W. V. Austin
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos-Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	West-	1			30.09	70	58	56		bo	none	10	
2				"	"	1			30.08	69	57	55		"	"	10	
3				"	"	1			30.07	68	57	55		"	"	10	
4				"	"	1			30.07	67	57	55		"	"	10	
5				"	ESE	1			30.08	69	57	56		oc M	cum nimb	0	
6				"	"	3			30.06	68	58	56		"	"	0	
7				"	"	3			30.07	68	59	57		bc	"	1	
8				"	East-	2			30.08	65	57	57		"	"	2	
9				"	"	3			30.12	70	59	57		"	"	2	
10				"	ESE	3			30.14	72	69	57		"	"	1	
11				"	"	2			30.15	73	61	59		oc	nimb	0	
Noon.				"	ENE	2			30.15	75	62	60		bc	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 446 gallons.

Water Distilled during the preceding 24 hours, 180 "

Water remaining on hand fit for use at Noon, 1268 "

Coal consumed during the preceding 24 hours, tons 190 lbs.

Coal remaining on hand at Noon, 129 " 1971 "

P. M.											
1		S by E	ENE	1	30.14	74	62	60	bc	cir cum	4
2		"	"	1	30.13	73	62	59	"	"	2
3		"	South-	3	30.13	69	59	58	oc p	nimb	0
4		"	SSE	4	30.13	67	56	55	"	"	0
5		"	South-	4	30.13	70	54	52	oc	cum nimb	0
6		"	"	4	30.18	74	53	51	oc d	"	0
7		"	"	4	30.23	73	52	50	"	"	0
8		"	"	4	30.26	76	51	50	"	"	0
9		"	SSE	4	30.28	77	51	49	"	nimb	0
10		"	"	3	30.28	75	50	49	bc	cir cum nimb	8
11		"	"	2	30.28	74	52	50	"	"	8
Mid.		"	"	3	30.28	74	51	49	"	"	6

under the command of Commander A. S. Snow, U. S. Navy,

Monday August 31st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 AM.
Clear & pleasant. Barometer steady. Light airs from West.

J. Wheeler
Lieut. U. S. N.

4 to 8 AM.
Cloudy, misty first part. Light airs & gentle breeze from ESE to East. Recd 115 lbs fresh bread, 116 lbs vegetables & 92 lbs soft bread in Pay Dept. for issue to crew.

Lieut. U. S. N.

8 AM to Mid.
Partly clear, partly overcast. Light to gentle breeze from ESE to ENE. Mustered at quarters and drilled at Company Drill. H. Nygren (Sp 2d.) absent without leave.

W. Ry Mason Field.
Ensign U. S. N.

Mid to 4 PM.
Cloudy, overcast & raining latter part, wind shifted from ENE to South & SSE. Paymaster F. N. Barry, U. S. N. reported his return from leave. Called all hands to muster and read finding & sentence of summary court in the case of H. A. Jones (Pvt) According to sentence he was confined in double irons.

J. Wheeler
Lieut. U. S. N.

4 to 8 PM.
Overcast, cloudy and raining Moderate breeze from South.

W. Ry Mason Field.
Ensign U. S. N.

8 PM to Mid.
Overcast first hour, clear remainder of watch. Barometer steady. Wind from SSE decreasing from moderate to light.

J. Wheeler
Lieut. U. S. N.

Examined and found to be correct.

H. H. Lemly
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSE	2			30.29	72	51	49		b c w	cir cum	9	
2				"	"	1			30.29	69	50	48		"	"	9	
3				"	SSW	1			30.29	69	48	47		"	"	9	
4				"	"	1			30.29	67	48	47		"	"	9	
5				"	"	2			30.30	63	49	47		b o	none	10	
6				"	"	2			30.30	61	48	46		b c w	cum	9	
7				"	"	2			30.31	58	47	45		b c m	"	9	
8				"	SW	3			30.33	57	46	45		"	"	9	
9				"	"	2			30.35	68	48	46		b m	none	10	
10				"	"	2			30.38	70	51	48		"	"	10	
11				"	"	2			30.39	69	53	50		b	"	10	
Noon.				"	"	1			30.39	68	55	50		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water Distilled during the preceding 24 hours, 1476 "

Water remaining on hand fit for use at Noon, 2368 "

Coal consumed during the preceding 24 hours, 1 tons 230 lbs.

Coal remaining on hand at Noon, 126 " 17444 "

P. M.									
1	S by E	SW	3	30.38	64	57	52	b c	cum nimb 7
2	"	"	3	30.36	67	57	52	"	" 6
3	"	"	3	30.34	66	57	52	"	" 6
4	"	"	3	30.34	66	58	52	"	" 6
5	"	"	3	30.35	62	58	53	"	" 8
6	"	"	2	30.36	67	57	53	"	" 9
7	"	"	1	30.40	71	56	52	"	" 9
8	"	"	1	30.42	71	55	52	"	" 9
9	"	"	1	30.42	68	54	51	"	" 9
10	"	"	1	30.43	68	53	51	b o	none 10
11	"	"	1	30.46	68	52	49	"	" 10
Mid.	"	"	1	30.48	66	52	49	"	" 10

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday Sept 1st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 a.m. Clear & pleasant: Light airs & breezes from SSE & SSW.

C. M. Stone
Ensign U.S.N.

4 to 8 a.m. Clear, light breeze from SSW to gentle breeze from SW.

W. Roy Mason Jr.
Ensign U.S.N.

8 a.m. to Mid. Bright & pleasant, barometer steady. Light breeze & light airs from SW. At 9.30 mustered & inspected at quarters, after which hoisted fire quarters. Sets stream 32 sec, 2nd 47 sec, 3rd 1m 04 sec, 4th 1m 09 sec. The rating of Jos. Dwyer was changed from Bk to Ldr from date by order of Comdg. Officer. The Comdg. Officer adjudged the following punishments: J. McKinnon (Sea) 2 pints from liberty — ped to 2nd class; 1 month. C. Smith (Sea) 1 hour overtime, drunk & disorderly — three months gunpointing from date & 1/3 M. money. N. H. Carman (Pol) Not being alert on post — ped to 4th class 3 months & 1/3 M. money. H. Nygren (Sp. Q) 3½ hrs overtime — ped. to 4th class, 3 months & 1/3 M. money.

J. T. Hunter
Lieut. U.S.N.

Mid to 4 p.m. Fair. Gentle breeze from SW. Sent liberty party ashore.

C. M. Stone
Ensign U.S.N.

4 to 8 p.m. Clear & pleasant. Barometer steady. Light airs from SW.

J. T. Hunter
Lieut. U.S.N.

8 p.m. to Mid. Clear & pleasant. Heavy dew. Light airs from SW.

C. M. Stone
Ensign U.S.N.

Examined and found to be correct.

C. V. Lewis
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S W	2			30.47	67	57	48		b c w	cumb	9	
2				"	"	2			30.47	67	50	47		b w	none	10	
3				"	"	2			30.46	65	49	47		"	"	10	
4				"	"	1			30.46	65	49	46		"	"	10	
5				"	"	1			30.46	64	49	46		"	"	10	
6				"	"	1			30.48	63	48	46		b c w	cir	9	
7				"	"	1			30.49	62	48	46		b c w	"	9	
8				"	"	2			30.49	57	49	47		"	"	9	
9				"	"	1			30.54	61	57	49		"	"	9	
10				"	"	1			30.56	70	55	57		"	"	9	
11				"	West	2			30.56	67	57	53		b c	cir cum	8	
Noon.				"	"	1			30.58	66	58	53		"	"	7	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 428 gallons.

Water Distilled during the preceding 24 hours, 1270 "

Water remaining on hand fit for use at Noon, 3200 "

Coal consumed during the preceding 24 hours, 1 tons 200 lbs.

Coal remaining on hand at Noon, 125 " 15 14 "

P. M.												
1		S by E	West	1	30.51	66	57	53	b c	cir cum	8	
2		"	NE	2	30.49	66	57	53	"	"	6	
3		"	"	2	30.48	65	57	53	"	"	8	
4		"	"	1	30.48	66	57	54	"	"	6	
5		"	"	1	30.48	64	57	54	"	"	6	
6		"	"	1	30.48	67	57	54	"	"	6	
7		"	"	1	30.48	69	57	54	"	"	6	
8		"	"	1	30.49	70	57	54	"	"	6	
9		"	"	1	30.50	70	58	53	"	"	9	
10		"	"	1	30.50	68	58	53	"	"	9	
11		"	"	1	30.50	67	57	52	"	"	9	
Mid.		"	"	2	30.50	65	57	52	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday Sept 2nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Clear & pleasant. Heavy dew. Light airs & breezes from SW.

Jorgt W Holman
Lieut U. S. N.

4 to 8 AM.
Clear & pleasant - barometer steady. Light airs from SW. Recd in Pay Dept 116 3/4 lbs fresh beef, 116 3/4 lbs fresh vegetables & 93 lbs soft bread. Placed G. V. Mercier (Eds) under sentry's charge for safe Keeping.

J Hunter
Lieut U. S. N.

8 AM to Mrid.
Clear & pleasant. Light airs & breezes from SW & West. Musters at quarters at 9.30 and exercised at battalion drill. Ensign W. O. Dubose reported for duty on board this ship.

Custine
Ensign U. S. N.

Mrid to 4 PM.
Clear & pleasant. Light airs and breezes from West to NE. Sent a liberty party ashore. Exercised Pvt. H. A. Jones; court martial prisoner for one hour.

Jorgt W Holman
Lieut U. S. N.

4 to 8 PM.
Fair. Light airs from NE. By order of Comdg. Officer released G. V. Mercier from sentry's charge.

Custine
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant. Light airs from NE. Observed a large fire in town - reported to be the San Martin Theater.

Jorgt W Holman
Lieut U. S. N.

Examined and found to be correct.

W. K. Lemly
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

A- Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NNE	3			30.48	60	54	51		b	none	10	
2				"	"	3			30.47	64	54	50		"	"	10	
3				"	"	3			30.43	64	53	49		"	"	10	
4				"	"	3			30.41	62	53	49		bc	cir cum	6	
5				"	"	3			30.42	60	52	49		"	cir str	8	
6				"	"	3			30.42	60	52	49		"	"	8	
7				"	"	3			30.42	58	53	49		"	cir cum	8	
8				"	"	3			30.42	60	54	50		"	"	7	
9				"	"	2			30.42	65	55	52		b	none	10	
10				"	"	3			30.43	68	58	54		bc	cir cum str.	8	
11				"	"	3			30.42	69	60	55		"	"	8	
Noon.				"	"	3			30.41	69	61	56		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 386 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2814 "

Coal consumed during the preceding 24 hours, tons 1120 lbs.

Coal remaining on hand at Noon, 125 " 394 "

P. M.														
1				S by E	NNW	2			30.36	68	61	56	bc	cir cum 7
2				"	"	2			30.32	66	61	56	"	" 6
3				"	NE	1			30.28	66	61	56	"	" 5
4				"	"	1			30.26	64	60	55	"	" 4
5				"	"	1			30.25	61	59	54	"	" 4
6				"	"	1			30.24	65	58	53	"	" 4
7				"	"	2			30.24	68	58	53	"	" 8
8				"	"	1			30.25	70	58	53	bcm	cir str. 8
9				"	"	2			30.20	67	58	53	bm	" 10
10				"	"	2			30.25	68	57	52	"	" 10
11				"	"	1			30.24	67	57	52	"	" 10
Mid.				"	SW	1			30.23	65	55	51	"	" 10

under the command of Commander A. S. Snow, U. S. Navy,

Thursday Sept-3rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear, light - starlight - Gentle breeze from NNE.

Lieut-U.S.N.

4 to 8 AM.
Clear & pleasant: Gentle breeze from NNE.

Ensign U.S.N.

8 AM to Merid.
Clear & pleasant - Gentle breeze from NNE: At 9.30 mustered at quarters: absentees: H. C. Hutter (Pvt) and R. A. Mentz (Pvt) called away all boats for distant service "Times": St. Launch 1m 16s, Stg Launch 2m 50 sec 1st cutter, 1m 04 sec, 2nd cutter 1m 48s, W. Boat - 1m 32s, Gig 2m 58 sec. The Villarino went out into the river, carrying according to report, the President of the Republic on a visit to the pirate clad "25 de Mayo" At 12 dressed ship, Argentine flag at the Main following the motions of the other men of war in port. At 12 the "25 de Mayo" fired a salute the number of guns not distinguishable on account of her distance.

Ensign U.S.N.

Merid to 4 PM.
Generally cloudy but pleasant - Barometer falling. Light breeze to light airs from NW to NE. Comde. Jos. M. Forsyth, U.S.N. Comdg. U.S.S. Pallapoosa returned from leave. Hauled down senior officer pennant - Gunr Pvt H. A. Jones one hour exercise on deck.

Lieut-U.S.N.

4 to 8 PM.
Hazing over Light airs and breezes from NE. The Villarino returned to the Darsena.

Ensign U.S.N.

8 PM to Mid.
Clear & damp. Bright starlight. Light breeze to light airs from NE shifting to SW last hour.

Lieut. U.S.N.

Examined and found to be correct.

Lt. U.S.N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S W	2			30.18	56	54	51		bc 10	cir cum	9	
2				"	"	2			30.16	55	53	50		"	"	9	
3				"	"	1			30.13	53	52	49		"	"	9	
4				"	West	1			30.12	52	51	48		"	Horiz	10	
5				"	"	3			30.12	50	50	47		"	"	10	
6				"	"	3			30.12	49	49	46		b	"	10	
7				"	"	3			30.14	54	48	46		b m	"	10	
8				"	"	2			30.17	63	50	47		"	"	10	
9				"	"	2			30.20	68	55	51		"	"	10	
10				"	NW	2			30.21	69	55	54		"	"	10	
11				"	NNW	2			30.21	68	62	56		"	"	10	
Noon.				"	"	2			30.20	64	62	57		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 410 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2404 "

Coal consumed during the preceding 24 hours, tons 1030 lbs.

Coal remaining on hand at Noon, 124 " 1604 "

P. M.									
1		S by E	NW	3	30.18	64	62	bc	cir cum ulat	8
2		"	"	3	30.16	64	62	"	"	8
3		"	NW	3	30.16	65	63	"	"	7
4		"	"	3	30.16	66	63	"	"	7
5		"	"	3	30.17	66	64	"	"	7
6		"	"	3	30.17	67	64	"	"	8
7		"	"	2	30.18	70	64	"	"	7
8		"	"	2	30.18	70	63	"	cir cum	7
9		"	"	1	30.21	70	62	b m	Horiz	10
10		"	"	1	30.22	69	62	"	"	10
11		"	"	2	30.22	67	61	"	"	10
Mid.		"	"	3	30.22	67	61	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,
Friday, September 14th, 1894.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & fine, light breeze from SW. to light airs from West.

W. Ray Mason Fld.
Ensign U.S.N.

4 to 8 a.m.
Hazy. Gentle to light breezes from West. Received aboard for use of Depot 113 3/4 lbs each of fresh beef and vegetables and 91 lbs soft bread.

Jesse Hoffman
Lieut. U.S.N.

8 a.m. to Merid.
Clear & pleasant. Misty along horizon. Light breeze from West to NW. At 9.30 went to Genl Quarters, 1st div ready in 1m 14s, 2nd div in 1m 16s, 3rd div in 1m 02s. Marg div in 1m 24s, Powder div in 2m 12s, Marine Guard 0m 57s, Engr div in 0m 52s, Pay Div 0m 40s, & Surg div 1m 18s. H. C. Fuller (Pvt) & D. H. Lynch (Pvt) absent without leave. Sent down top gallant yards & overhauled lifts & braces.

W. Harrison
Lieut. U.S.N.

Merid to 4 p.m.
Clear & fine, gentle breeze from NW & W.

W. Ray Mason Fld.
Ensign U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle to light breeze from NW.

W. Harrison
Lieut. U.S.N.

8 p.m. to Merid.
Clear & fine, light airs to gentle breeze from NW.

W. Ray Mason Fld.
Ensign U.S.N.

Examined and found to be correct.

H. K. Benson
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NW	2			30.21	69	60	57		b no	cumb	0	
2				"	"	2			30.21	68	60	57		oc	"	0	
3				"	"	2			30.21	67	60	57		"	"	0	
4				"	SSW	2			30.23	68	59	55		"	"	0	
5				"	"	2			30.26	68	57	54		"	"	0	
6				"	SSE	2			30.27	69	57	54		bc	cum nimb	1	
7				"	"	2			30.29	66	56	54		"	"	2	
8				"	SE	3			30.32	62	56	54		b cm	"	1	
9				"	"	3			30.34	71	57	55		"	"	1	
10				"	"	3			30.36	68	60	57		"	"	4	
11				"	"	3			30.37	68	60	57		"	"	4	
Noon.				"	"	3			30.37	65	61	58		"	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons 940 lbs.

Coal remaining on hand at Noon, 124 " 664 "

P. M.												
1		S by E	SE	3		30.37	65	61	57	oc	cum sli	0
2		"	"	2		30.38	64	61	57	"	"	0
3		"	"	2		30.38	65	61	57	oc d	cum nimb	0
4		"	SSE	2		30.38	64	62	58	"	"	0
5		"	SE	3		30.37	65	61	57	"	nimb	0
6		"	"	3		30.39	67	61	59	"	"	0
7		"	"	3		30.39	65	61	59	"	"	0
8		"	"	3		30.39	67	57	52	"	"	0
9		"	"	3		30.42	62	57	52	"	"	0
10		"	"	3		30.42	58	53	57	"	"	0
11		"	"	2		30.42	58	52	50	"	"	0
Mid.		"	"	2		30.42	55	57	52	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, September 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Clear & pleasant, barometer steady. Light breeze from NW and SSW.

J. H. Hunter
Lieut U. S. N.

4 to 8 AM.
Cloudy. Light to gentle breeze from SSW to SE.

Lieut U. S. N.

8 AM to Merid.
Partly cloudy, gentle breeze from SE. Dressed ship inside for an afternoon at home.

W. Ray Mason Field
Ensign U. S. N.

Merid to 4 PM.
Overcast, barometer steady. Light to gentle breeze from SE.

W. T. Hunter
Lieut U. S. N.

4 to 8 PM.
Overcast & rainy, light to gentle breeze from SSE & SE. The dancing party continued until six PM.

W. Ray Mason Field
Ensign U. S. N.

8 PM to Mid
Overcast, barometer steady Light to gentle breeze from SE. Drizzling.

W. T. Hunter
Lieut U. S. N.

Examined and found to be correct.

H. K. Hunter
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S.A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSE	3			30.44	60	49	47		ocR	nimb	0	
2				"	"	3			30.46	60	48	46		"	"	0	
3				"	"	3			30.46	59	46	44		"	"	0	
4				"	"	3			30.46	58	46	44		"	"	0	
5				"	"	4			30.46	59	46	44		"	"	0	
6				"	South	3			30.46	59	45	44		ocd	"	0	
7				"	"	3			30.47	53	46	44		oc	"	0	
8				"	"	3			30.48	58	45	43		bc	"	1	
9				"	S by W	3			30.53	66	46	43		"	cir cum nimb	2	
10				"	SSW	3			30.54	68	47	43		"	"	6	
11				"	SW	4			30.54	69	48	44		"	"	6	
Noon.				"	"	4			30.54	71	48	45		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 386 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1648 "

Coal consumed during the preceding 24 hours, tons 940 lbs.

Coal remaining on hand at Noon, 123 " 1964 "

P. M.														
1			S by E	SW	4	30.53	72	50	45	bc	cir cumst	5		
2			"	SSW	4	30.53	72	50	45	"	"	5		
3			"	"	4	30.53	74	51	46	"	"	5		
4			"	"	4	30.53	75	51	46	"	"	6		
5			"	"	4	30.53	77	51	48	"	"	8		
6			"	"	4	30.52	78	50	46	"	"	8		
7			"	"	3	30.51	76	49	46	"	"	8		
8			"	"	3	30.51	76	49	46	"	"	8		
9			"	"	3	30.53	77	49	46	bc to	none	10		
10			"	"	3	30.54	76	47	45	"	"	10		
11			"	"	3	30.54	77	46	44	"	"	10		
Mid.			"	"	3	30.54	78	46	43	"	"	10		

under the command of Commander A. S. Snow, U. S. Navy,

Sunday September 6th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM,
Overcast & raing. Gentle SSE breze.
W. O. Hulme
Ensign U. S. N.

4 to 8 AM
Overcast & raing first two hours then clearing. Rec'd fresh provisions for ups & crew. 95 lbs soft bread, 116 1/4 lbs vegetables - 116 1/4 lbs fresh beef.
W. R. Rx Master Field.
Ensign U. S. N.

8 AM to Midd.
Clear & pleasant, barometer steady. Gentle to moderate breze from SbyW & SSW. At 9.30 quarters at 10 reading of articles of war and general muster. Absentees J. J. Sinibuldson (C.T.C.) F. Vogel (OS) B. Jacks (Ord).
J. T. Mueller
Lieut U. S. N.

Midd to 4 PM
Clear & pleasant, moderate breze from SW to SSW.
W. O. Hulme
Ensign U. S. N.

4 to 8 PM
Clear & pleasant, barometer steady. Moderate to gentle breze from SSW.
J. T. Mueller
Lieut U. S. N.

8 PM to Mid.
Clear & cold. Gentle SSW breze.
W. O. Hulme
Ensign U. S. N.

Examined and found to be correct.

A. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate,

Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSW	3			30.54	73	45	43		bo	none	10	
2				"	"	2			30.53	71	44	42		"	"	10	
3				"	"	2			30.53	69	43	42		"	"	10	
4				"	"	2			30.51	68	42	40		"	"	10	
5				"	"	2			30.50	65	41	40		"	"	10	
6				"	"	2			30.50	64	40	38		"	"	10	
7				"	"	1			30.50	62	40	38		"	"	10	
8				"	"	1			30.50	58	40	39		bc	"	2	
9				"	"	2			30.50	71	46	43		"	"	2	
10				"	"	2			30.50	73	48	45		"	"	2	
11				"	SSE	2			30.51	75	50	47		"	"	2	
Noon.				"	SE	2			30.51	75	53	49		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 388 gallons.

Water Distilled during the preceding 24 hours, 240 "

Water remaining on hand fit for use at Noon, 1260 "

Coal consumed during the preceding 24 hours, tons 1120 lbs.

Coal remaining on hand at Noon, 123 " 844 "

P. M.												
1		S by E	SSE	2	30.48	68	54	51	bc	cir cum xind	6	
2		"	"	2	30.45	67	55	51	"	cir cum ??	6	
3		"	SE	2	30.43	66	56	52	"	"	6	
4		"	"	2	30.42	66	56	52	"	"	6	
5		"	"	2	30.40	67	55	51	"	"	6	
6		"	"	2	30.40	70	54	51	"	"	7	
7		"	"	1	30.42	74	54	50	"	"	4	
8		"	"	2	30.43	74	53	50	"	"	4	
9		"	"	2	30.42	74	51	50	bo	Horiz	10	
10		"	"	3	30.43	74	50	49	"	"	10	
11		"	"	2	30.44	73	50	47	bcw	cir cum	5	
Mid.		"	"	2	30.45	72	50	47	"	"	6	

under the command of Commander A. S. Snow, U. S. Navy,

Monday September 7th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear & pleasant; heavy dew. Light and gentle breze from SSW.

C. Osborne
Ensign U.S.N.

4 to 8 AM.
Clear, clouding over at end of watch - barometer steady. Light breeze from SSW. Recd in Pay Dept 112½ lbs fresh beef 112½ lbs vegetables 90 lbs bread. Draught forward 13'8", aft 16'6" amid. ships 15'1".

J. W. Newton
Lieut U.S.N.

8 AM to Merid.
Cloudy, light breze from SSW to SE. Coaling ships
Absentees: H. Lear (BM) A. Clark (2d F) W. Delis (Cook) H. F. Jane (Corp) C. Ray (MAA) was discharged, his term of enlistment having expired.

W. O. Hulbert
Ensign U.S.N.

Merid to 4 PM.
Fair. Light breze from SSE & SE. Finished coaling ships. Recd on board 447 tons of coal.

C. Osborne
Ensign U.S.N.

4 to 8 PM
Fair. Light breze to light airs from SE. Cleaning up ships after coaling. Draft forward 14ft 8; aft 16'6"; amidships 15'0"

W. O. Hulbert
Ensign U.S.N.

8 PM to Mid.
Clear & pleasant first two hours, clouding over last two. Light and gentle breze from SE.

C. Osborne
Ensign U.S.N.

Examined and found to be correct.

H. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	SSW	2			30.46	69	50	48		oc	nimb	0	
2				"	"	2			30.45	66	49	47		"	"	0	
3				"	"	2			30.45	64	49	47		"	"	0	
4				"	"	2			30.44	63	49	47		"	"	0	
5				"	"	1			30.45	62	51	49		bc	cum	8	
6				"	"	1			30.44	59	49	47		"	cir cum	8	
7				"	SE	2			30.43	53	48	46		bcm	"	9	
8				"	"	3			30.43	60	49	47		"	"	2	
9				"	"	2			30.45	58	51	49		bc	"	2	
10				"	"	2			30.48	72	54	52		"	"	5	
11				"	"	2			30.48	69	56	53		"	"	5	
Noon.				"	"	2			30.48	68	57	54		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 435 gallons.

Water Distilled during the preceding 24 hours, 1623 "

Water remaining on hand fit for use at Noon, 2448 "

Coal consumed during the preceding 24 hours, 1 tons 590 lbs.

Coal remaining on hand at Noon, 166 " 254 "

P. M.														
1			S by E	SE	1			30.48	67	59	56	bc	cir cum	2
2			"	"	2			30.46	67	60	57	"	"	2
3			"	ESE	2			30.45	67	59	55	"	"	4
4			"	"	2			30.44	67	59	55	"	"	4
5			"	"	2			30.45	72	59	55	"	"	3
6			"	"	2			30.45	73	59	56	"	"	2
7			"	SE	2			30.45	73	59	55	"	nimb	2
8			"	"	2			30.45	73	58	55	"	"	3
9			"	"	1			30.45	72	58	55	"	"	5
10			"	"	1			30.45	70	57	54	"	"	1
11			"	"	1			30.45	70	58	55	"	"	5
Mid.			"	"	1			30.45	70	57	52	"	"	3

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday September 8th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast: Light breeze from SSW.

Jas. F. W. Holman
Lieut U.S.N.

4 to 8 AM
Fair. Light airs to gentle breeze from SSW to SE.
Executed morning orders:

W. Wilson
Ensign U.S.N.

8 AM to Merid
Partially cloudy. Light breezes from SE. At 9.30 muster at quarters & found following men aboard without leave: W. Vear (BM) H. Delin (Cox) C. J. Miller (Barber) W. O. Pugh (Cox) W. F. Jane (Corpl) Thos. Wright (Asst Cpnter) J. McKinnon (Sea) J. B. Coonby (Pvt) G. Bradford (Cpl). Exercised at fire quarters & rigged as follows: 1st stream 1m 02s; 2nd stream 1m 08s; 3rd stream 1m 54sec; Recd in Equip. Dept: 25 corn brooms; 1 barrel slaked lime, 40 yds 8/ flax canvas; 50 yds bag canvas; 204 gllns illuminating oil, in Con. & Resp 20 gllns alcohol. Recd in Engr. Dept: 20 lbs soft solder, 3 sail needles; 1 bbl lime, 20 lbs sheet brass 1/32", 20 lbs cut nails; 1 pkt iron tacks; 90 gllns cylinder oil (Valvoline), 476 Gllns Illuminating oil (olive), 20 lbs hemp packing, 20 yds cotton canvas #8, 1 length iron pipe 1/4", 10 lbs brass wire 16", 12 bath bricks; 1 log slate: Transferred J. Clinton (2d F.) with prov. mock & transfer papers to Talcahuano and sent him to British Hospital in B. Ayres for treatment. Thos. Wright (Asst Cpnter) returned on board 1/4 hour overtime. J. B. Coonby on board 1 hour overtime. The Comdg Officer called officially on the Argentine Admiral, the Comdg officer of the Argentine cruiser "25 de Mayo", the French corvette "Dane", the Italian gunboat "Bartiano Vernero", the Argentine Iron clad "Almirante Brown"

A. Wilson
Ensign U.S.N.

Merid to 4 PM.
Cloudy. Light airs and breezes from SE to ESE. The Commanding Officer of the French gunboat "Dane" paid an official visit. Went to sea. Sent a liberty party ashore. Exercised Pvt. H. A. Jones for one hour on deck.

Jas. F. W. Holman
Lieut U.S.N.

4 to 8 PM.
Cloudy. Light breezes from ESE & SE.

A. Wilson
Ensign U.S.N.

8 PM to Mid.
Fair. Light airs and breezes from SE.

Jas. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

H. K. Hewett
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	S E	1			30.45	69	57	51		oc	nimb	0	
2				"	"	1			30.44	67	54	51		"	"	0	
3				"	"	1			30.42	67	52	51		"	"	0	
4				"	"	1			30.41	66	53	51		"	"	0	
5				"	"	1			30.41	65	52	50		"	"	0	
6				"	S by E	2			30.41	65	51	49		bc	cir cumu nimb	3	
7				"	"	2			30.42	62	52	50		"	"	6	
8				"	"	2			30.42	60	52	51		"	"	6	
9				"	S S E	2			30.43	69	53	52		"	cir cumu	6	
10				"	S E	2			30.44	67	53	53		"	"	6	
11				"	E S E	3			30.45	69	60	56		"	"	6	
Noon.				"	"	2			30.46	67	60	53		"	cir cumu stc?	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water Distilled during the preceding 24 hours, 947 "

Water remaining on hand fit for use at Noon, 3050 "

Coal consumed during the preceding 24 hours, 1 tons 1220 lbs.

Coal remaining on hand at Noon, 164 " 1274 "

P. M.									
1		S by E	East-	1	30.44	65 60	56	bc	cir cumu 5
2		"	E N E	1	30.41	64 61	57	"	" 5
3		"	"	1	30.40	63 61	57	"	" 5
4		"	N E	2	30.40	62 61	57	"	" 7
5		"	East-	2	30.39	63 60	56	"	" 9
6		"	"	1	30.39	65 59	55	"	" 9
7		"	"	1	30.40	68 58	55	"	" 9
8		"	"	1	30.41	69 58	55	bc	cumu 10
9		"	"	2	30.41	68 58	55	"	" 10
10		"	"	2	30.41	66 59	55	"	" 10
11		"	N E	2	30.41	66 58	55	"	" 10
Mid.		"	"	2	30.41	64 58	55	"	" 10

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday September 9th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Overcast - a few stars faintly visible at times. Very light airs from S/E. Barometer falling. Distilling.

F. A. Wiener
Lieut. U.S.N.

4 to 8 AM.

Cloudy, clearing last part. Light airs & breezes from S/E & S by E. Read in Pay. Dept. - 103 1/4 lbs rack beef & vegetables & 33 lbs fresh bread.

P. Ellerstone
Ensign U.S.N.

8 AM to Mid.

Clear and pleasant. Light to gentle breezes from S.S.E to E.S.E. At 9.30 mustered at quarters, absentees: W. F. Jane (Corpl) W. Dear (B.M.) Thos. Erskine (S. Apprd) Jas. McKinnon (Sea), W. Dolan (Cox), Geo. Bradford (C.H.). Drilled the companies of the battalion. The Comdg. Officer adjudged the following punishments: G. O. Menzies (Ldr) Tight from Liberty - ptd to 2nd class. R. A. Bendy (Pot) 12 hrs overtime - ptd to 3rd class 1/2 month. H. C. Hetler (Pot) 39 hours overtime - ptd to 4th class 3 months - 1/5 M money. D. H. Lynch (Pot) 15 hrs overtime - ptd to 3rd class 1/2 month - 1/5 M money. J. J. Simonson (C.T.C) 8 1/4 hrs overtime - ptd to 2nd class. F. Vogel (OS) 5 hrs 20 mins boat time - ptd to 2nd class. A. B. Jacks (Pot) 5 1/2 hrs overtime - ptd to 2nd class. P. Dougherty (Pot) 1 hour overtime, drunk & disorderly - ptd to 4th class 3 months & 1/5 M money. A. Clark (2d F.) 15 hours overtime - ptd to 3rd class 1/2 month. J. O. Cronin (Oiler) 1 hour overtime - 4th class 2 weeks longer. C. E. Eales (Pot) 3/4 hour overtime - 1 week quarantine. Thos. Wright (S. Apprd) 1 hour overtime - 1 Mid watch. P. Boles (Sea) 2 1/2 hours overtime - ptd to 2nd class; 2 weeks. C. J. Miller (Barbr) 19 3/4 hrs overtime - ptd to 3rd class 1/2 month. A. R. Bronon (S. Apprd) Carelessness; dropping Knife from aloft - 1 Midnight watch. N. O. Pugh (Cox) 19 3/4 hrs overtime - ptd to 3rd class 1/2 month. D. Parker (Ldr) Drunk on board ship - 5 Midnight watches. The Comdg. Officer of the "Alaska" Bronon" paid an official visit - and a Lieutenant from the "Le de Mayo also visited officially. Thos. Erskine (S. Apprd) was brought aboard. Transferred J. D. Molineux (S. Apprd) to "Tallapoosa" with bag, hammock, accounts & necessary transfer papers.

Geo. H. Holman
Lieut - U.S.N.

Mess to 4 PM.

Partly cloudy, pleasant weather. Light airs to light breeze from East to N.E. D. F. Linnehan (C.H.) was discharged this ship & the U.S. Naval Service by reason of own request - waiving all claim to transportation or consular aid. Transferred the following stores to U.S.S. "Tallapoosa" 101 yds flannel, 69 cap cloth & 450 lbs salt water soap.

F. A. Wiener
Lieut - U.S.N.

4 to 8 PM

Clear & pleasant. Light airs & breezes from East.

Geo. H. Holman
Lieut - U.S.N.

8 PM to Mid.

Clear & pleasant, damp. Light breeze from East to N.E.

F. A. Wiener
Lieut - U.S.N.

Examined and found to be correct

Le. K. Curtis Jr. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S by E	NE	2			30.41	64	57	54		bw	rain	10	
2				"	"	1			30.40	61	56	53		"	"	10	
3				"	"	1			30.40	60	55	52		bcw	cir cumu	9	
4				"	"	1			30.39	60	55	52		"	"	9	
5				"	NNE	2			30.39	60	55	52		b	rain	10	
6				"	"	3			30.39	60	55	52		bc	"	9	
7				"	NNW	2			30.39	58	55	53		bcm	cir	8	
8				"	NW	2			30.39	58	56	53		"	"	8	
9				"	"	2			30.43	67	60	56		"	"	9	
10				"	"	2			30.42	62	61	57		"	"	9	
11				"	"	2			30.42	61	61	57		"	"	9	
Noon.				"	"	2			30.40	64	61	57		"	"	9	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2660 "

Coal consumed during the preceding 24 hours, 1 tons 50 lbs.

Coal remaining on hand at Noon, 163 " 1224 "

P. M.											
1		NE	3	30.36	64	60	55	bc	cir cumu	8	
2		"	3	30.33	61	60	56	"	"	8	
3	NE by E 3/4 E	ENE	2	30.32	65	60	55	"	cir cumu	8	
4	NW	"	2	30.30	62	62	58	"	"	8	
5	"	"	2	30.30	60	61	57	"	"	7	
6	N by W	"	2	30.31	70	59	55	"	"	5	
7	ENE	"	2	30.33	72	58	53	"	"	5	
8	"	"	2	30.34	74	58	54	"	"	4	
9	East-	"	3	30.33	79	57	53	bcm	cir n/z	5	
10	"	"	3	30.32	77	57	54	"	"	5	
11	"	"	3	30.32	73	56	53	"	"	7	
Mid.	"	"	3	30.31	71	55	53	"	"	7	

under the command of Commander C. S. Snow, U. S. Navy,
Thursday, September 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & fine, light breeze to light airs from NE
W. Ray Mason 2nd
Ensign U.S.N.

4 to 8 a.m.
Hazy. Gentle to light breezes from NNE first part and from NNW to NW latter part. At 5.30 started fires under boilers A & D. Singled lines and made preparations for unmooring.
George F.W. Holman
Lieut. U.S.N.

8 a.m. to Mid.
Clear & pleasant weather. Light breeze from NW. At 9.30 mustered at quarters J. McKinnon (Sea) & Geo. Bradford (Cpl) absent without leave. At 10.15 pilot came on board, at 11 cast off lines & stood out of the harbor in charge of pilot. Ships draft 14' fwd 15'3" and & 16'6" aft. Enlisted C. Ray (Sea) for three years & rated him Master at arms from Sept 8th 1891. H. St Jane (Corpl) & H. Lear (B.M) returned on board each 75½ hrs overtime.
F.H. Prideaux
Lieut. U.S.N.

Mids to 4 p.m.
Clear & fine, gentle breeze from NE to light breeze from ENE. Steaming out of the docks in Buenos Ayres, and then heading over to Colonia. Let go the port anchor in sight of Colonia at 3.15. Bearings from Anchorage Farallon Light (bg) N. Colonia Light NNW by E 3/4 E. S.W. NW. Banked fires. Anchored in 3/4 fms of water & veered to 30 fms on port chain. Discharged the pilot after leaving the canal.
W. Ray Mason 2nd
Ensign U.S.N.

4 to 8 p.m.
Partly cloudy & hazy. Light breeze from ENE. Ship heading to wind & current at end of watch. Fires banked.
F.H. Prideaux
Lieut. U.S.N.

8 p.m. to Mid.
Fair & pleasant; gentle breeze from ENE.
W. Ray Mason 2nd
Ensign U.S.N.

Examined and found to be correct.

A. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At anchor in the Rio de la Plata

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				North	NE	3			30.28	69	56	54		bc	cir cumn nimb	6	
2				NW	"	3			30.26	67	56	54		"	"	8	
3				"	"	4			30.24	65	56	54		"	"	8	
4				"	"	4			30.23	64	56	54		"	"	9	
5				NNW	"	4			30.23	63	56	54		"	cir cumn	9	
6				NNE	NNE	3			30.22	58	55	53		"	"	5	
7				North	NE	3			30.22	58	55	53		"	"	3	
8				NE by E	N by E	3			30.23	70	56	54		"	"	4	
9				"	North	3			30.22	65	59	57		"	"	4	
10				"	"	3			30.21	64	60	57		"	"	4	
11				"	"	3			30.20	64	61	58		"	"	4	
Noon.				N by E	"	3			30.18	64	62	58		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 330 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2330 "

Coal consumed during the preceding 24 hours, 2 tons 1500 lbs.

Coal remaining on hand at Noon, 160 " 1964 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				NW by N	NE	2			30.16	65	64	59		bc	cir cu	5	
2				NNW	"	2			30.14	64	66	61		"	"	5	
3				"	"	2			30.13	64	66	61		"	"	4	
4				"	"	2			30.11	64	66	61		"	"	5	
5				N by W	E by E	4			30.11	64	62	60		"	cir cumu strat	3	
6				E by E	"	4			30.12	70	61	58		"	"	3	
7				"	E by S	3			30.12	72	60	57		"	"	2	
8				SE	East	3			30.13	69	60	58		"	"	2	
9				"	"	2			30.11	69	60	58		"	"	2	
10				E by E	E NE	2			30.11	70	59	57		bcw	"	2	
11	ebb			NE	"	2			30.12	69	58	56		"	"	5	
Mid.				NNE	"	2			30.12	65	58	56		"	"	7	

under the command of Commander A. S. Snow, U. S. Navy,
Friday, Sept 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Clear & pleasant - barometer falling. Gentle to Moderate breeze from NE. D. Parker (Ldg) stood extra watch by order of Comdg. Officer

J H Hunter
Lieut U.S.N.

4 to 8 AM.

Partly cloudy pleasant weather. Moderate to gentle breeze from NE to NbyE. Lowered steam launch, got up steam and made preparations for great gun target practice. Fires banked.

H A Wilner
Lieut U.S.N.

8 AM to Meid.

Partly cloudy, gentle breeze from North. At 9.00 sent out two boats for observers, got out target and at 9.30 began target practice with great guns; first getting the ship underway. The practice continued until 2 1/2 o'clock when the boats and target were picked up and the vessel headed for Colonia. Expended in Ordnance Dept: 6, 30 1/2 lb. charges; 6, 5 lbs. charges; 12, 10 lbs. charges; 6, 8 in Bullet shell (short); 6, 60 lb shell; 12, 11 in shell & two great gun targets. At the end of the watch, the ship was steaming into Colonia harbor. Jas. McKinnon (Sea) & Geo. Bradford (Ft) absent without leave.

W. Ray Mason Jr
Ensign U.S.N.

Meid to 4 PM.

Cloudy & pleasant - Light breeze from NE. Barometer falling. Standing into Colonia harbor at beginning of watch, Navigator conning. Moored ship at 1.20 in 5 1/4 fms; 45 fms on each chain, port anchor to Sd put on mooring shackel. Bearings from anchorage Farallon Light SW by W 3/4 W. Colonia Light E 5/8 S (pc). Hauled fires except under one boiler for distilling. An officer visited U.S. Consul officially Commenced scraping spars.

J H Hunter
Lieut U.S.N.

4 to 8 PM.

Partly cloudy, moderate to gentle breeze from ESE to East.

W. Ray Mason Jr
Ensign U.S.N.

8 PM to Mid.

Cloudy and pleasant. Barometer steady. Light breeze from ENE.

J H Hunter
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex" , 3rd Rate,

At Colonia, Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE	ENE	3			30.12	58	57	55		bc	cir cum	2	
2				NNW	East	3			30.12	57	56	54		"	"	2	
3				"	"	3			30.12	57	56	54		"	"	8	
4				"	"	3			30.13	56	55	53		"	"	8	
5				NW by N	"	3			30.13	53	54	53		"	"	9	
6				"	"	3			30.13	56	55	53		"	"	8	
7				"	"	3			30.14	57	55	54		"	"	8	
8				ENE	"	3			30.16	59	56	54		"	"	9	
9				SE by E	"	3			30.19	68	57	55		"	"	9	
10				"	"	3			30.20	68	58	56		"	"	8	
11				"	ESE	3			30.21	64	58	56		"	"	8	
Noon.				"	"	3			30.21	68	58	56		"	"	8	
P. M.																	
1				ENE 20	SE by E	ESE	3		30.20	70	59	57		bc	cir cum	6	
2					NNW	"	3		30.19	69	63	61		"	"	6	
3				"	"	"	3		30.18	67	63	61		"	"	5	
4				"		SE	3		30.17	66	64	61		"	"	5	
5				"		"	3		30.18	67	64	61		"	"	6	
6				"		"	3		30.20	71	62	60		"	"	5	
7				Floor	SE	"	3		30.23	76	59	57			"	5	
8					"	"	3		30.24	75	58	57			"	5	
9					"	ESE	3		30.24	73	57	56			"	6	
10					"	"	3		30.24	72	57	56		bcm	cir cum strat	4	
11					"	"	3		30.24	71	57	56		"	"	4	
Mid.					"	"	3		30.23	71	57	56		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 368 gallons.

Water during the preceding 24 hours, 1226 "

Water remaining on hand fit for use at Noon, 3188 "

Coal consumed during the preceding 24 hours, 1 tons 2080 lbs.

Coal remaining on hand at Noon, 158 " 2174 "

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, September 12th 91, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 AM.
Fair. Gentle breeze from ENE to East.

W. Hulbert
Ensign U. S. N.

4 to 8 AM
Clear & pleasant, light to gentle breeze from East.

W. Ray Mason Jr.
Ensign U. S. N.

8 AM to Mid.
Clear and pleasant. Barometer rising, gentle breeze from East and ESE. Jos: Mc Kinnon (Sea) & Geo. Bradford (CA) absent without leave.

J. Hunter
Lieut. U. S. N.

Mid to 4 PM.
Clear & pleasant. Gentle ESE to SE breeze. Placed anchors for small arm target. All 120 stopped distilling.

W. Hulbert
Ensign U. S. N.

4 to 8 PM.
Clear, clouding over last hour. Barometer rising. Gentle breeze from SE.

J. Hunter
Lieut. U. S. N.

8 PM to Mid
Fair. Gentle ESE breeze.

W. Hulbert
Ensign U. S. N.

Examined and found to be correct.

Le K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al- Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW	SSE	2			30.22	69	58	57		b c u	cir cum strat-	2	
2				"	"	2			30.23	68	59	58		"	"	1	
3				"	SSW	1			30.23	64	59	57		"	"	5	
4				"	South-	1			30.22	64	59	57		"	"	4	
5				"	SW	2			30.22	63	59	57		"	"	8	
6				"	"	3			30.23	60	59	57		b c	"	2	
7				"	"	3			30.24	63	59	57		"	cum nimb	1	
8				"	"	3			30.26	67	60	58		"	cir cum nimb	4	
9	Flood			SE	South-	2			30.28	71	60	58		"	"	2	
10				SSE	SSE	2			30.28	72	60	58		"	"	4	
11				"	South-	2			30.28	74	60	58		"	"	6	
Noon.				"	"	1			30.27	71	61	57		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 308 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2880 "

Coal consumed during the preceding 24 hours, tons 1480 lbs.

Coal remaining on hand at Noon, 158 " 694 "

P. M.													
1			SE	SE	3		30.27	68	58	60	b c	cir cum nimb	6
2			ESE	ESE	3		30.25	67	59	57	"	"	7
3	Ebb		NNW	"	3		30.24	67	61	59	"	"	7
4			"	"	3		30.24	67	62	60	"	"	7
5			"	"	3		30.23	70	62	60	"	"	7
6			"	"	4		30.23	72	60	58	"	"	7
7	Flood		North-	"	4		30.28	72	59	57	"	"	9
8			E by S	"	3		30.24	74	59	57	"	"	7
9			"	"	3		30.24	75	57	55	"	"	7
10			SE	East-	2		30.27	71	59	57	b c u	"	8
11			ESE	ENE	3		30.27	66	59	57	"	"	9
Mid.			"	"	3		30.27	67	54	53	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,
Sunday September 13th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Cloudy. Light-airs and breezes from SSE to SSW.
D. McAlstone
Ensign U. S. N.

4 to 8 AM.
Generally cloudy, pleasant; Barometer rising. Gentle-breezes from SW. Recd on Pay Dept-110 lbs fresh beef, 110 lbs vegetables & 88 lbs soft bread.
J. H. Rumble
Lieut-U. S. N.

8 AM to Mid
Fair. Light-airs to light-breezes from the South to SSE. At 9.30 divisional inspection. At 10 the Comdg Officer inspected ships and crew at quarters. Absent-without-leave: Jos. McKinnon (Sea) and Geo. Bradford (OS).
W. O. Hulme Jr.
Ensign U. S. N.

Mid to 4 PM
Fair. Gentle-breezes from SE & E to SE. Sent-liberty-party ashore.
D. McAlstone
Ensign U. S. N.

4 to 8 PM.
Clear & pleasant. Moderate to gentle-ESE breeze.
W. O. Hulme
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant. Light-and gentle-breezes from ESE, ENE & East.
D. McAlstone
Ensign U. S. N.

Examined and found to be correct.

M. K. Lemmon
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NbyW	NEbyE	3			30.25	67	53	52		bcm	rainb	4	
2				NNW	ENE	3			30.24	64	53	52		bcm	"	8	
3				NWbyN	"	3			30.24	62	53	52		"	"	10	
4				"	"	3			30.22	61	53	52		"	"	10	
5				"	NE	3			30.21	61	52	51		bcw	cum	9	
6				"	"	3			30.21	59	52	51		"	"	9	
7				"	"	3			30.20	56	53	52		bc	"	9	
8				NNW	"	3			30.21	61	55	53		"	"	9	
9				"	"	3			30.24	71	59	57		"	"	9	
10				"	"	3			30.25	69	62	59		"	"	9	
11			Flood 11.45	North-	NNE	2			30.26	70	64	59		"	"	8	
Noon.				"	"	2			30.25	68	67	59		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 352 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2528 "

Coal consumed during the preceding 24 hours, tons 1948 lbs.

Coal remaining on hand at Noon, 137 " 950 "

P. M.												
1		North-	NNE	2	30.24	68	66	59	b	rain	10	
2	Ebb	NNW	North-	1	30.20	69	67	61	"	"	10	
3		"	"	1	30.19	68	68	62	"	"	10	
4		"	ENE	3	30.18	68	68	63	"	"	10	
5		"	"	3	30.18	69	65	62	bc	"	9	
6		"	"	3	30.17	70	63	61	"	"	9	
7		"	"	3	30.17	71	62	60	bw	"	10	
8		"	"	2	30.17	78	63	61	"	"	10	
9	Flood	"	"	2	30.17	74	63	60	"	"	10	
10		NE	NE	2	30.17	75	60	57	"	"	10	
11		EbyS	"	2	30.17	69	60	57	"	"	10	
Mid.		SE	"	1	30.18	66	61	58	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Monday, September 14th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and till 4 am.
Hazy. Heavy dew. Gentle breeze from NE by E to ENE.

Jno. Fillebrown
Lieut. U. S. N.

4 to 8 am.
Clear. Gentle NE breeze. Put out small arm target and began rifle practice with 1st Division, at 7.45 crossed Topgallant and royal yards. Recd for use of crew 110 lbs fresh beef 110 lbs vegetables 88 lbs fresh bread.

W. O. Hulme
Ensign U. S. N.

8 am to Merid.
Clear & pleasant. Light and gentle breeze from NE and NNE. All @ 9.30 mustered at Quarters and found J. McKinnon (Sea) and Geo. Bradford (CS) absent without leave. Exercised as per routine. Commenced firing at rifle and pistol targets. The Condg. Officer adjudged the following punishments: J. B. Rooney (Pvt) attempting to smuggle liquor and 1 hour overtime — 4th class 2 months. Jas. R. Wilson (Sea) Interfering with Corpl of Guard & threatening Sergt of Guard — 4th class 3 months — 5 D. monies. Thos. Eustine (S. Apprd) 24 hrs overtime — 2nd class 1 month. A. Delin (Cox) 62 hrs overtime — 4th class 3 months — 5 D. money. H. F. Jane (Corpl) and H. Lear (BM) each 75 1/2 hrs overtime — each ped to 4th class 3 months — 5 D. money. H. Liggan (CS) Not saluting colors at sunset — 1 midnight watch. A. Piratzky (S. Apprd) Disobeying the orders of C. B. Mate — 2 midnight watches. Jno. Sliney (Sea) Fight from liberty — 1 month 2nd class.

Carstone
Ensign U. S. N.

Merid to 4 pm.
Clear and pleasant. Gentle breeze from North to ENE. First and Engr. Div. fired at targets with rifles and with revolvers. Exercised Pvt. H. A. Jones for one hour.

Jno. Fillebrown
Lieut. U. S. N.

4 to 8 pm
Clear and pleasant. Light & gentle breeze from ENE. At 5:00 sent down topgallant & royal yards.

Carstone
Ensign U. S. N.

8 pm to Mid.
Clear and pleasant. Heavy dew. Light airs and breezes from ENE to NE.

Jno. Fillebrown
Lieut. U. S. N.

Examined and found to be correct.

G. K. Hunter
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				SE	ENE	2			30.18	63	61	58		clr	none	10	
1				ENE	NE	3			30.18	61	58	56		"	"	10	
2				North-	"	3			30.18	61	56	54		"	"	10	
3				"	"	3			30.18	61	55	53		cf.	"	10	
4				NWby N	"	3			30.18	62	54	53		bc m w	cum	8	
5				"	"	3			30.18	60	54	53		bc	"	9	
6				NNW	"	3			30.19	58	53	52		"	"	9	
7				"	"	3			30.20	61	54	53		"	cir	9	
8				"	"	3			30.21	69	58	57		"	cir cum	8	
9				"	"	3			30.22	70	62	60		"	cir cum str	8	
10				NNE	NNE	3			30.22	71	64	61		"	"	8	
11				East-	"	3			30.22	68	65	63		"	"	6	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3443 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2182 "

Coal consumed during the preceding 24 hours, tons 1635 lbs.

Coal remaining on hand at Noon, 137 " 349 "

P. M.												
1		SE	NE	3	30.22	68	67	62	bc	cir cum	5	
2		"	"	3	30.18	68	67	62	"	"	5	
3		ESE	"	3	30.18	68	67	63	"	"	5	
4	Ebb	NE	"	3	30.18	69	67	62	"	"	5	
5		NNW	"	3	30.17	68	67	63	"	"	7	
6		"	NE	2	30.17	70	67	63	"	"	8	
7		NW by N	"	2	30.17	70	66	62	"	"	8	
8		"	"	1	30.18	69	65	62	bc m	"	4	
9		[illegible]	"	3	30.18	69	65	62	bc	cir cum str	4	
10		ESE	"	3	30.17	69	63	61	"	"	6	
11		SE	"	4	30.17	69	61	59	"	"	6	
Mid.		SEby E	"	4	30.16	67	60	58	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday, September 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am
Clear, bright moon & starlight till last hour. Thick fog last hour. Light to gentle breze from ENE to NE.

[redacted]
Lieut U. S. N.

4 to 8 am.
Clear & pleasant. Gentle breze from NE. Executed morning orders and began firing at pistol and rifle target. At 7.45 crossed topgallant & royal yards.

[redacted]
Ensign U. S. N.

8 am to Merid.
Clear & pleasant. Gentle breze from NE to NNE. At 930 mustered at quarters: absentees: J. McKinnon (Sick) & Geo. Bradford (CA) Inspected bags. Engaged in rifle and revolver target firing, the First Powder, Marine and Engineers divisions firing. A Board of Survey in the Equipt. and Construction Depts: held a meeting to survey stores.

[redacted]
Lieut. U. S. N.

Merid to 4 pm.
Partly cloudy pleasant weather. Gentle breze from NNE. Second division engaged at rifle target practice. Exercised boarders at volley firing with revolvers.

[redacted]
Lieut. U. S. N.

4 to 8 pm.
Clouding over. Heavy dew last hour. Gentle breze to light airs from NNE & NE.

[redacted]
Lieut. U. S. N.

8 pm to Mid.
Bright moon & starlight with passing clouds: Gentle to moderate breze from NE.

[redacted]
Lieut. U. S. N.

Examined and found to be correct.

[redacted]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SE by E	NE	4			30.17	65	60	59		be 20	slr.	8	
2				"	"	4			30.16	64	60	59		"	"	9	
3			Ebb	NE	"	3			30.14	64	60	58		"	"	9	
4				NNW	"	3			30.13	62	59	58		"	"	8	
5				NW by N	"	2			30.13	59	60	58		"	cir cum slr.	8	
6				"	"	2			30.13	59	59	58		"	"	7	
7				NW	"	2			30.15	58	58	57		"	"	4	
8				NW by N	"	3			30.17	62	60	58		oc	cum Nimb	0	
9				"	"	4			30.20	68	61	59		"	cum slr	0	
10				"	"	3			30.20	72	64	61		"	"	0	
11				NNW	"	2			30.21	74	66	64		"	"	0	
Noon.				"	"	3			30.21	74	66	64		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 342 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1840 "

Coal consumed during the preceding 24 hours, tons 970 lbs.

Coal remaining on hand at Noon, 156 " 1619 "

P. M.													
1			ESE	ESE	3		30.19	71	65	63	oc	cum nimb	0
2			"	"	3		30.18	70	64	62	bc	"	3
3			SE by E	"	3		30.15	69	64	61	"	"	3
4			SE	"	3		30.14	68	63	61	"	"	3
5			"	"	3		30.13	69	62	60	oc	"	0
6			ESE	"	3		30.13	73	62	60	"	"	0
7		Ebb	East-	"	3		30.11	74	62	61	"	"	0
8			NW	SE	2		30.13	74	63	62	oed	"	0
9			"	ESE	2		30.16	75	64	63	och	cum str	0
10			NNW	ENE	3		30.17	75	64	63	"	"	0
11		Flood	East-	"	2		30.17	74	65	63	"	"	0
Mid.			SE	"	1		30.17	72	65	63	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday, Sept 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.

Clear & fine, moderate to gentle breeze from NE.

W. Ray Mann Gill.
Ensign U.S.N.

4 to 8 a.m.

Clouding over. Light to gentle breeze from NE. First and third division engaged in rifle firing at target. Rec'd for use of crew 110 lbs each of fresh beef and vegetables and 88 lbs bread. At 7.45 loosed sail and made topgallant yards.

Jno H. Holman
Lieut. U.S.N.

8 a.m to Mrid.

Overcast & cloudy, moderate to light breeze from NE. At 9.30 mustered at quarters & had battalion drill. Jas. McKinnon (Sea) & Geo. Bradford absent without leave. Third division engaged at rifle and revolver target practice.

~~J. Harris~~
Lieut. U.S.N.

Mrid to 4 p.m.

Partly cloudy, gentle breeze from ESE. The Powder division fired at the target at 300 yds: Jas. McKinnon (Sea) returned from leave 8 days 3/4 hours overtime.

W. Ray Mann Gill.
Ensign U.S.N.

4 to 8 p.m.

Overcast & cloudy, threatening weather. Gentle to light breeze from ESE & SE. Marine Guard exercising at rifle target practice first hour. Hoisted steam launch.

~~J. Harris~~
Lieut. U.S.N.

8 p.m to Mid.

Overcast cloudy & hazy, light to gentle breeze from ESE to ENE.

W. Ray Mann Gill.
Ensign U.S.N.

Examined and found to be correct.

M. V. C. Murrell
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				SE	ESE	2			30.16	71	65	63		oc	nimb	0	
1				"	"	3			30.14	69	64	63		"	"	0	
2				SE by E	East-	4			30.08	66	63	62		"	"	0	
3				"	"	3			30.07	66	62	61		"	"	0	
4				"	"	3			30.09	67	62	61		"	"	0	
5				NW by N	"	3			30.09	64	63	61		bc	nimbsti	1	
6				"	"	3			30.10	61	62	61		"	"	5	
7				"	"	4			30.12	67	62	61		ocf	nimb	0	
8				"	"	3			30.12	72	63	62		bc	"	0	
9				"	"	3			30.12	72	63	64		bc	circum	6	
10				"	"	2			30.12	70	68	65		"	"	5	
11				"	ESE	3			30.12	69	69	66		"	"	5	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 304 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1536 "

Coal consumed during the preceding 24 hours, tons 970 lbs.

Coal remaining on hand at Noon, 156 " 649 "

P. M.														
1		SSW	ESE	3			30.09	67	69	65	bc	circum	9	
2	Flood	SSE	"	2			30.09	72	64	62	bcf	"	2	
3		SE	SE	2			30.08	72	63	62	bc	"	5	
4		"	"	2			30.07	71	63	62	"	"	7	
5		SSE	"	2			30.07	71	62	61	bcf	"	6	
6		South-	"	3			30.06	72	62	61	"	"	7	
7		NW	"	3			30.06	73	63	62	ocf	nimb	0	
8		"	"	3			30.06	74	63	62	bcf	"	4	
9		NW by N	"	3			30.08	74	64	62	bcw	circum	8	
10		"	"	3			30.08	74	64	63	"	"	8	
11		NNW	ESE	3			30.08	72	64	62	"	"	9	
Mid.	Flood	North-	East-	3			30.08	71	63	62	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday, September 17th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast, pleasant; light to moderate breeze from E & E and East. Barometer falling.

J. T. Hunter
Lieut. U. S. N.

4 to 8 AM.
Cloudy with fog last hour. Gentle to moderate breeze from East. Second division engaged at rifle target practice.

Lieut. U. S. N.

8 AM to Merid.
Partly cloudy, gentle to light breeze from East & E S E. Mustered at quarters and continued target practice. The Marine Guard finished firing at target. The steam launch was first rigged as torpedo boat & fired two exercise torpedoes; and then hoisted & away with the gatling gun & fired two hundred (200) rounds. The sailing launch, with the 3½ rifle fired four shell & two shrapnel at great gun target. Confined W. Riggan (OS) for five days on bread and water, for insolence to superior officer, by order of Comdg. Officer. Expended six Ordnance 6, 12 oz charges, 6 boxer fuses, 4, 3 inch shell, 2, 3 inch shrapnel & two boat exercise torpedoes.

W. Roy Mason Gill.
Ensign U. S. N.

Merid to 4 PM.
Bright and pleasant; barometer steady. Gentle to light breeze from S E & E S E.

J. T. Hunter
Lieut. U. S. N.

4 to 8 PM.
Partly clear, gentle breeze from S E. Fired the powder division with the sub caliber in 60 pdr.

W. Roy Mason Gill.
Ensign U. S. N.

8 PM to Mid.
Bright moonlight; pleasant gentle breeze from E S E and S E.

J. T. Hunter
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lemly
Lieut; Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al- Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SE by S	SE	1			30.08	70	63	62		0 c 10	cir cum	0	
2				"	"	1			30.06	67	63	62		0 f 10	"	0	
3				"	ESE	1			30.06	67	63	62		"	"	0	
4				"	"	1			30.06	67	63	62		"	"	0	
5				"	SSE	2			30.06	67	61	59		"	cum	0	
6				SE	"	2			30.06	67	60	59		"	"	0	
7				NNW	"	2			30.06	67	60	59		"	"	0	
8				NW	"	3			30.08	67	62	61		"	"	0	
9				"	"	3			30.09	70	64	62		"	"	0	
10				NW by W	"	3			30.12	71	65	63		"	"	0	
11				"	"	3			30.12	70	65	63		"	"	0	
Noon.				NW	"	3			30.11	68	66	64		b c m	cir cum	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 410 gallons.

Water Distilled during the preceding 24 hours, 874 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1	Flood	NW	SSE	1	30.10	67	68	66	bc	cir cum	5	
2		ESE	ESE	1	30.09	68	66	64	b c m	"	3	
3		SE	"	1	30.08	68	63	62	"	nimb	1	
4		"	"	2	30.08	64	63	62	"	"	1	
5		"	East-	1	30.09	65	63	62	o c d	"	0	
6		"	"	2	30.09	70	63	62	"	"	0	
7	Ebb 730	West-	ESE	3	30.09	70	64	62	o c m	"	0	
8		NNW	SE	3	30.10	69	64	62	"	"	0	
9		NW	"	3	30.10	72	63	61	o c d	"	0	
10		NW by W	SSE	4	30.10	69	63	61	o c d m	"	0	
11		"	"	4	30.10	69	61	60	"	"	0	
Mid.		W by S	"	4	30.11	66	59	58	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Friday, Sept 18th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Overcast. Foggy last three hours. Light airs from S & E to E S E.

M C Thulme Ens
Ensign U. S. N.

4 to 8 AM.

Overcast & foggy, light to gentle breeze from S S E. Lowered Sailing Launch and put 3 inch rifle on board. Rec'd for use of crew 111 1/4 lbs beef; 111 1/4 lbs vegetables, 89 lbs soft bread.

W. Rey Mason Jr Asst.
Ensign U. S. N.

8 AM to Merid.

Overcast. clearing last hour. Barometer steady. Gentle breeze from E S E. Landed battalion at 9 for exercise ashore. Geo. Bradford (Cpl) was declared a deserter from date.

J T Newton
Lieut. U. S. N.

Merid to 4 PM.

Cloudy & misty. Light airs to light breeze from S S E to E S E. At 12.40 the battalion returned from exercises on shore. Engr. division firing at target with 60 pdr. sub. caliber. Hoisted in sailing launch.

M C Thulme
Ensign U. S. N.

4 to 8 PM

Overcast, misty, dispersing. Barometer rising. Barometer steady. Light to gentle breeze from E'd.

J T Newton
Lieut. U. S. N.

8 PM to Mid.

Overcast, drizzling & misty. Moderate S S E breeze. Began to swing to flood at 11.50

M C Thulme
Ensign U. S. N.

Examined and found to be correct.

G. V. Lauri
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al- Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Flood	SSE	SSE	4-5			30.12	67	57	58		o c/l	nimb		
2			"	"	"	4-5			30.12	66	58	57		o c d	"		
3			"	"	"	4			30.12	65	58	57		o c	"		
4			"	"	"	3			30.13	65	57	56		"	"		
5			"	"	SSW	4			30.12	61	58	55		o d	"		
6			"	SbyE	"	4			30.12	58	58	56		"	"		
7			"	SWbyS	"	4			30.14	67	56	55		o	"		
8			"	West	"	4			30.17	64	58	57		"	"		
9			"	NW	"	3			30.16	69	57	55		b c	cum stz		
10			"	"	South	3			30.17	65	56	55		"	"		
11			"	"	"	2			30.18	65	57	53		"	"		
Noon.			"	"	SSW	2			30.17	64	57	53		"	"		

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water Distilled during the preceding 24 hours, 1470 "

Water remaining on hand fit for use at Noon, 3100 "

Coal consumed during the preceding 24 hours, 1 tons 1390 lbs.

Coal remaining on hand at Noon, 153 " 1629 "

P. M.											
1		SWbyW	WSW	3	30.17	62	57	55	o c	nimbstz.	0
2		"	"	3	30.17	62	59	57	"	"	0
3		WbyN	"	3	30.17	62	60	58	"	"	0
4		SbyW	SW	3	30.16	63	59	56	"	"	0
5		SE	"	3	30.16	66	60	58	"	"	0
6		SSW	"	3	30.17	67	59	57	"	"	0
7		SWbyW	"	3	30.18	70	59	56	"	"	0
8		WSW	"	3	30.18	70	60	57	"	"	0
9		NW	"	2	30.17	70	60	56	b c	"	4
10		"	"	2	30.17	70	60	57	"	"	5
11		"	WSW	3	30.18	70	60	57	"	"	5
Mid.		"	"	2	30.18	69	60	57	"	"	7

under the command of Commander A. S. Snow, U. S. Navy,

Saturday Sept 19th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Overcast & cloudy. Light rain first two hours. Gentle to fresh breeze from SSE. At 12.10 called all hands & hoisted steam launch.

W. H. Stone
Ensign U.S.N.

4 to 8 AM.
Overcast - drizzling at times. Barometer rising. Moderate breeze from SSW. Rec'd in Pay Depot. for crew 8 lbs soft bread.

J. T. Tuttle
Lieut. U.S.N.

8 AM to Mrid
Cloudy. Gentle to light breeze from SSW to the South. Loosed sail at 9.46. At 9.48 stopped distilling and hauled fires. The Comdg. Officer adjudged the following punishments: Jos. Rogers (Ldsm) Interfering with another person — 3 four hour watches. J. A. Callan (Apprtl) Destroying a manrope when set to work repairing it — reduced to 4th class 1 month. Jos. McKinnon (Sea) 8 days 7 3/4 hours overtime — 4th class, 2 months. Jr. Monthly Money.

W. O. Stuhlman
Ensign U.S.N.

Mrid - 4 pm to
Overcast & cloudy. Gentle breeze from WSW & SW. At 1.00 furled sail. Sent liberty party ashore.

W. H. Stone
Ensign U.S.N.

4 to 8 pm.
Overcast. Gentle SW. breeze.

W. O. Stuhlman
Ensign U.S.N.

8 pm to Mid.
Partly cloudy. Light and gentle breezes from SW & WSW.

W. H. Stone
Ensign U.S.N.

Examined and found to be correct.

A. K. Lemmon
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex" 3rd Rate,

Al- Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW by W	WSW	3			30.19	66	59	57		bc	cir cum nimb	3	
2				West-	"	3			30.19	65	59	57		"	"	4	
3				SE by S	SW	3			30.18	60	59	57		"	"	3	
4				SSE	"	3			30.17	68	58	57		bcm	"	3	
5				SE by S	"	3			30.17	58	58	57		ocm	nimb	0	
6				"	"	2			30.18	58	58	57		oc	"	0	
7				"	"	1			30.18	60	58	57		bc	nimb str.	1	
8		Ebb		SE	"	2			30.18	60	58	57		"	"	1	
9				NNW	"	2			30.19	60	59	57		"	"	4	
10				NW	"	3			30.19	60	59	57		"	"	4	
11				"	"	3			30.19	61	61	58		"	"	4	
Noon.				"	"	3			30.19	61	61	58		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 352 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2748 "

Coal consumed during the preceding 24 hours, tons 590 lbs.

Coal remaining on hand at Noon, 153 " 1039 "

P. M.														
1			NW	SW	3	30.18	61	62	59	bc	cir cum	6		
2			NW by W	"	2	30.17	62	64	60	"	"	8		
3			"	"	2	30.17	62	64	60	"	"	8		
4			"	"	2	30.17	62	65	61	"	"	8		
5			SbyE	"	2	30.19	63	64	60	"	"	8		
6			SSE	West-	2	30.20	65	63	59	"	"	8		
7			SSW	NW	2	30.21	68	62	59	"	"	7		
8			WNW	WSW	2	30.23	69	62	59	"	"	9		
9			NW by W	SW	1	30.24	65	62	59	"	"	6		
10			"	"	2	30.26	68	62	59	"	"	8		
11			NW by W	"	2	30.26	69	63	59	"	"	9		
Mid.			"	"	2	30.26	58	63	59	"	"	9		

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, September 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Fair. Gentle breeze from WSW to SW.
Jas. F. Wolleson
Lieut. U.S.N.

4 to 8 a.m.
Overcast. Light airs to light breezes from SW. Executed morning orders. Rec'd for use of crew 1113/4 lbs each beef & vegetables and 85 lbs bread.
M. O'Sullivan Jr.
Ensign U.S.N.

8 a.m to Merid.
Cloudy. Gentle and light breezes from SW. At 9.30 a.m. turned to quarters and at 10.00 Comdg. Officer inspected ships and crew at quarters.
C. M. Stone
Ensign U.S.N.

Merid to 4 p.m.
Clear & pleasant. Gentle to light breeze from SW. Sent a liberty party ashore. Exercised Col. N. A. Jones for an hour. Sent steam launch and 1st cutter in charge of Mr. Stone to the assistance of a schooner aground on the bar.
Jas. F. Wolleson
Lieut. U.S.N.

4 to 8 p.m.
Mostly, clear & pleasant. Light breezes from SW, West and NW.
C. M. Stone
Ensign U.S.N.

8 p.m to Mid.
Clear and pleasant. Light airs and breezes from SW.
Jas. F. Wolleson
Lieut. U.S.N.

Examined and found to be correct.

Lt. K. Smith
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al- Colonia Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW	West-	1			30.28	67	62	57		b	none	10	
2				"	North.	1			30.28	66	60	57		"	"	10	
3				"	"	2			30.28	66	59	56		"	"	10	
4				"	"	1			30.28	65	59	56		"	"	10	
5				SE by S	NNW	1			30.26	64	59	56		b c w	cum.	9	
6				"	"	1			30.27	64	59	57		b c	"	9	
7				SSE	WSW	2			30.28	62	59	57		"	"	9	
8				"	"	2			30.28	61	60	57		"	"	9	
9				S by E	SW	2			30.30	63	61	58		"	"	9	
10				N by W	WSW	2			30.30	63	61	58		"	"	9	
11				NW	"	2			30 32	63	61	59		"	"	9	
Noon.				"	"	2			30.33	64	63	59		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 332 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2416 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 153 " 639 "

P. M.												
1			NW	WSW	1		30.32	64	64	59	b c	cir cum 9
2			"	"	1		30.31	64	63	60	"	" 9
3			NW by W	"	1		30.31	64	64	59	"	" 8
4			SE by E	"	1		30.30	63	64	59	"	" 8
5			"	"	1		30.29	63	63	57	"	" 8
6			SE	East-	1		30.29	66	62	56	"	" 9
7			"	ESE	2		30.29	70	63	59	b	none 10
8			"	"	1		30.29	71	63	59	"	" 10
9			East-	ENE	2		30.32	72	63	61	b w	" 10
10			NNW	NE	3		30.32	72	63	60	"	" 10
11			N by W	NNE	3		30.32	71	62	59	"	" 10
Mid.			NW by N	North-	3		30.32	70	61	58	"	" 10

under the command of Commander A. S. Snow, U. S. Navy,

Monday, September 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am.

Clear bright - starlight - Very light airs - to light breeze from West - shifting to North.

Lieut. U. S. N.

4 to 8 am

Clear & pleasant - Light airs & breezes from NW & WSW Executed morning orders - Fired Navg. Div. Smith - sub calibre tube in 6 pdr. Rec'd in Pay Dept - 114 1/4 lbs fresh beef & vegetables and 89 lbs bread.

Ensign U. S. N.

8 am to Merid.

Clear & pleasant - Light breeze from SW & WSW. At 9.30 mustered at quarters - At 9.55 cleared ship for action Time 20m 04 sec. At 10.05 word to general quarters, Divisions ready as follows: 1st, 2m 10s; 2nds, 2m 25s; 3rds, 2m 12s; Navigator 1m 40s; Powder 4m 25s; Engr 2m 08s; Marine Guard 1m 01s; & Pay Dept - 0m 55 sec.

Lieut. U. S. N.

Merid to 4 pm.

Clear & fine, light airs from WSW. Guns engaged rattling down. Loaded 22 1x8in shell.

Ensign, U. S. N.

4 to 8 pm.

Clear & pleasant - Light airs and breezes from East to ESE. Engaged in blacking ships and in rattling down.

Lieut - U. S. N.

8 pm to Mid.

Clear & fine bright - moon light - Light to gentle breeze from ENE to NNE. Beat to general quarters at 10.57 1st div. ready in 4m 45s. 2nds div 4m 48sec. 3rds div 4m 49 sec. Nav div 5m 38 sec. Powder div 5m 00 sec; Engr 4m 08 sec; Marine Guard 4m 20 sec. Pay dept 5m 22 sec.

Ensign U. S. N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW by N	North-	3			30.30	69	59	57		b 10	none	10	
2				"	"	3			30.30	67	58	55		"	"	10	
3				NNW	"	3			30.29	65	56	54		"	"	10	
4				"	"	3			30.28	65	56	54		"	"	10	
5				NE by E	NNE	3			30.28	64	55	53		b c 10	cir	9	
6				SE by E	"	3			30.26	59	56	53		b c	"	9	
7				"	"	3			30.26	59	56	53		"	"	9	
8				"	"	3			30.26	60	59	56		"	"	9	
9				SE	North-	3			30.29	62	63	59		b	None	10	
10				NE	"	3			30.29	63	65	59		"	"	10	
11				NNW	"	3			30.29	65	67	61		"	"	10	
Noon.				"	"	3			30.28	66	68	62		"	"	10	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 384 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2032 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 153 " 239 "

P. M.										
1			NNW by N	NNE	4	30.28	68	68	61	b	Hazy	10
2			"	"	4	30.21	69	70	63	"	"	10
3			NNW	"	4	30.20	68	71	63	"	"	10
4			"	"	4	30.20	70	71	64	"	"	10
5			NW	"	4	30.20	68	69	63	"	"	10
6			E by S	"	3	30.18	68	68	62	"	"	10
7			SE by E	"	3	30.18	72	67	62	"	"	10
8			"	"	3	30.18	71	67	62	"	"	10
9			E S E	NE	3	30.18	72	65	62	"	"	10
10			NE	"	3	30.18	72	61	58	"	"	10
11			North-	"	3	30.16	71	60	57	"	"	10
Mid.			NW by W	"	4	30.16	69	60	57	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday September 22nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear, bright moon & starlight. Heavy dew. Gentle breze from North.

4 to 8 AM.
Lieut U. S. N.
Clear and pleasant. Gentle breze from NNE. Engaged in blacking ship and in pattling down. Finished target practice of 1st division in sub calibre firing. Rec'd aboard for the use of the crew 89 lbs bread.

8 AM to Merid
Jas. F. Wilkinson
Lieut U. S. N.
Clear & pleasant. Gentle breze from North. Crew engaged in pattling down. H. J. Liggan (OS) was released from confinement and made a prisoner at large by order of Comdg. Officer L. A. Jones (Pot.) was reconfined in the brig by order of Comdg. Officer.

Merid to 4 PM
Lieut U. S. N.
Clear & fine, moderate breze from NNE. Crew engaged in pattling down.

W. Roy Mason Jr.
Ensign U. S. N.

4 to 8 PM
Clear & pleasant. Moderate to gentle breze from NNE. Crew engaged in pattling down till 4.30

8 PM to Mid.
Lieut U. S. N.
Clear & fine, gentle to stiff breze from NE.

W. Roy Mason Jr.
Ensign U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Exeter", 3rd Rate,

At Colonia, Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				WNW by N	NNE	4			30.15	67	59	57		b	Horiz	10	
2				"	"	4			30.15	67	58	56		"	"	10	
3				NW by W	"	4			30.13	66	57	55		"	"	10	
4				NW	"	4			30.11	64	56	54		bc	cir. cum.	9	
5				"	"	3			30.09	63	55	53		"	"	8	
6				NE	"	4			30.09	62	55	53		"	"	7	
7				SE by E	"	4			30.10	56	55	53		"	"	8	
8				"	"	~~4~~ 3			30.11	60	56	53		"	cir. stc.	9	
9				ESE	"	4			30.10	61	61	58		"	"	6	
10		...		"	North-	4			30.09	65	64	59		"	"	4	
11				NW by E	"	3			30.08	63	65	60		"	"	6	
Noon.				WNW	"	3			30.08	66	66	61		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 304 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1728 "

Coal consumed during the preceding 24 hours, 1 tons 60 lbs.

Coal remaining on hand at Noon, 152 " 179 "

P. M.																	
1				NNW	NE	3			30.06	66	68	63		bc	cir. stc.	5	
2				"	"	3			30.04	67	69	64		"	"	2	
3				"	"	2			30.02	69	69	64		"	"	2	
4				"	"	2			30.02	69	69	63		"	"	4	
5				"	"	3			29.99	69	69	64		"	"	4	
6				E by S	"	3			29.98	70	68	63		"	"	4	
7				SE by E	"	3			29.99	72	67	63		"	"	4	
8				SE	"	3			30.00	70	66	62		"	circum.	7	
9				"	"	3			29.98	70	64	61		"	"	6	
10				ESE	"	3			29.98	69	62	59		"	"	5	
11			Ebb	East-	"	3			29.99	69	62	59		"	"	2	
Mid.				NNE	"	2			29.99	69	60	58		"	"	1	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday, Sept 23 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.

Bright & pleasant, moderate breeze from NNE. Barometer falling slowly.

M. J. Newton
Lieut. U. S. N.

4 to 8 AM

Clear & pleasant weather. Moderate to fresh breeze from NNE. Rec'd 111/4 lbs fresh meat, 111/4 lbs vegetables & 89 lbs soft bread in Pay Dept for use of crew. Half masted colors flowing motion of Government buildings &c in town

Lieut. U. S. N.

8 AM to Merid.

Fair & pleasant, moderate to gentle breeze from NNE & North. All 9.30 mustered at quarters and exercised at fire quarters 1st station 0m 24sec. 2nd stream 0m 26sec. 3rd stream 0m 42s. 4th stream 0m 57sec then all hands were called to abandon ship, steam launch 4m 20sec; sailing launch 10m 02sec. 1st cutter 4m 40s. 2nd Cutter 4m 30sec, whale boat 6m 38sec; gig 5m 08sec; dinghy 8m 09sec; Crew at work pattling down and overhauling 15 in gun carriages.

W. Roy Mason Field.
Ensign U. S. N.

Merid to 4 PM.

Cloudy, pleasant, barometer falling. Gentle to light breeze from NE. Finished overhauling iron work of battery and squaring pattines. Surgeon Beadle reported for duty as Senior member of a Board to examine physically Lieut. J. V. B. Bleecker and J. T. Newton for promotion. Orders were delivered to P.A. Surg. O. Diehl member of board and A. C. Haines recorder and to Lieut. Bleecker & Newton to present themselves before said Board. After organizing said Board adjourned till to-morrow. An Italian Gunboat coming in at end of watch - ran on shoal.

M. J. Newton
Lieut. U. S. N.

4 to 8 PM.

Fair & pleasant, gentle breeze from NE. At 5.45 the Italian Corvette Sebastiano Venizzo came in and anchored, after having gone aground outside. The Navigator of his ship then went out and piloted her in.

W. Roy Mason Field.
Ensign U. S. N.

Examined and found to be correct.

A. V. Courtis
Lieut. -Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1		Ebb		NNW	NE	3			30.00	67	61	59		oc	cum. str.	6	
2				"	"	3			30.00	66	61	59		bc	cir. cum.	4	
3				"	"	3			30.00	65	61	58		"	"	6	
4				NW by N	"	3			30.00	65	60	58		"	"	8	
5				"	"	3			30.00	64	60	58		"	cir. cum. str.	8	
6				"	"	2			30.00	64	60	58		"	"	7	
7				NNE	"	2			30.00	65	60	58		"	"	8	
8				SE by E	"	2			30.00	64	62	60		"	"	8	
9				SE	NNE	2			30.01	65	65	63		bc	"	8	
10				"	E by S	2			30.01	67	65	63		"	"	7	
11				"	"	2			30.00	67	65	63		"	"	7	
Noon.				"	"	2			30.00	67	64	62		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 320 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1408 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 151 " 2019 "

P. M.													
1			SE	SE	2	29.98	68	64	62	bc	cum. str.	5	
2			NW by W	"	2	29.98	66	66	64	"	"	6	
3			NW.	"	2	29.98	66	68	65	"	"	7	
4			NW by N.	East	2	29.98	67	68	65	"	"	7	
5			NW by E	"	2	29.97	66	66	64	"	"	4	
6		Flood 5.30	SE	ENE	2	29.95	67	65	63	"	"	4	
7			"	"	1	29.96	71	65	63	"	"	9	
8			"	ESE	1	29.98	72	65	63	bc wl	str.	9	
9			SE by S	"	2	30.01	74	64	62	bc wl	nimbus	10	
10			"	SE	2	30.03	74	64	62	"	"	10	
11			"	SE by S	3	30.04	74	63	61	bc wl	nimb.	8	
Mid.			SSE	SSE	3	30.06	74	61	60	"	"	8	

under the command of Commander C. S. Stone, U. S. Navy,

Thursday, Sept 24th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Fair weather. Gentle NE. breeze.

M.O. Hulme
Ensign U.S.N.

4 to 8 AM
Clear & pleasant, gentle, to light breeze from NE. Recd in Pay Dept 89 lbs soft bread for use of crew.

W. Ry Rogers Field.
Ensign U.S.N.

8 AM to Mid.
Bright and pleasant; barometer steady; Light breeze from NNE and E by S. The Board for the physical examination of Lieut Bleecker and Iverson met at 9.40 and having finished its duties adjourned at 10.10 Finished taring down & sub calibre practice. The Italian Gunboat Sebastiano Veniero left the port. Expended 2780 cartridges cal 45 & 1860 Pistol cartridges cal 38.

J.T. Newton
Lieut U.S.N.

Mid to 4 PM.
Fair weather. Light breeze from SE. Painting & cleaning up ship. Started fires in distilling boiler at 1.10 Comdg. Officer awarded following punishments: Thos. Wright (S. Appld) 2 days dispensed to go on shore and light from liberty — ord to 4th class 3 months. J. H. Spear (C.T.) H. H. Walden (S. Appld) W. Zeller (S. Appld), A. Piratsky (S. Appld), F. Secogir (Ldr), J. McKeown (C & C) & C. E. Eales (Pot.) 1 day each from liberty — each reduced to 2nd class, 1 month.

M.O. Hulme
Ensign U.S.N.

4 to 8 PM.
Clear & pleasant, barometer fluctuating. Light breeze and light airs from ENE. Commenced distilling.

J.T. Newton
Lieut U.S.N.

8 PM to Mid.
Clear, heavy dew. Lightning. Light to gentle breeze from ESE to SE by S. Distilling.

M.O. Hulme
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

at Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Ebb	NW	SSE	2			30.06	71	62	61		b c w	cir cumb	6	
2				"	ESE	2			30.06	67	62	61		"	"	2	
3				NW by N	"	2			30.06	65	61	60		b c m w	"	1	
4				"	"	2			30.06	65	61	60		o c f w	"	0	
5				"	"	2			30.06	64	62	61		b c f	cum	3	
6				"	"	2			30.06	62	61	60		"	"	3	
7				"	SE	3			30.07	62	61	61		"	"	2	
8				ESE	"	2			30.08	62	62	61		"	"	2	
9				Standing out of Colonia	ESE	2			30.10	64	62	61		"	"	2	
10				"	"	2			30.13	65	64	62		"	"	8	
11	1/3	2/8	1.2.0	S 3/4 W	SE	2			30.14	65	63	61		"	"	3	
Noon.	8	8	10.0	"	"	1			30.15	66	63	61		"	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water Distilled during the preceding 24 hours, 1090 "

Water remaining on hand fit for use at Noon, 2160 "

Coal consumed during the preceding 24 hours, 1 tons 2055 lbs.

Coal remaining on hand at Noon, 149 " 2204 "

P. M.											
1		19 3/4	E 1/8 S	SE	3	30.14	67	64	62	b c	cir cumu stra. 6
2		28 1/8	ESE 1/2 E	E by S	3	30.11	68	66	63	"	" 7
3		38	SE by E 3/4 E	"	3	30.10	69	67	64	"	" 7
4		47 1/4	SE 1/4 S	"	3	30.10	67	65	63	"	" 7
5	Ebb	11.4.48	53 9/10	ESE	East-	3	30.09	67	61	60	o c f w	" 0
6				"	"	3	30.08	71	60	59	"	" 0
7				"	"	3	30.09	73	61	60	o c f d	" 0
8				"	ENE	3	30.10	73	62	61	"	" 0
9				"	"	3	30.12	74	64	63	b c m w	cir cum 4
10				East-	"	1	30.12	76	64	62	"	" 5
11	Ebb	11-00		"	ESE	3	30.12	75	64	62	"	" 5
Mid.				North-	ENE	3	30.12	73	63	61	"	" 6

under the command of *Commander A. S. Snow*, U. S. Navy,

Friday Sept. 25th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 am.

Cloudy, foggy last hour. Light breezes from SSE & ESE.

Ellstone
Ensign U.S.N.

4 to 8 am.

Cloudy, generally foggy. Light to gentle breeze from ESE and SE. Unmoored ship. Stabled fires. Under 3 boilers at 5. Rec'd in Pay Dept for crew 111¼ lbs fresh beef, 111¼ lbs vegetables, 89 soft bread.

W. T. Newton
Lieut U.S.N.

8 am to Meid.

Generally foggy, lighting up about 9.30 Fog settling again during watch. Light breeze from ESE to SE. At 9.30 mustered at quarters. At 10.03 up anchor. Underway at 10.10 Draft fwd 13ft 8 in; aft 16ft 3½ in; amidships 15ft 1 in. Stood out Colonia Harbor, Navigator conning. At 10.32 took departure Fatallon Lt. bearing NW by W ½ W, Colonia Lt. N by E ¼ E & put over pat. log course S ¾ W. At 11.28 changed course to S by E, pat. log 5; Spread fires at 9.35 Aver. steam 66 lbs; revs: 46. Pat. log end of watch 10. Distilling

M. O. Bulmer
Ensign U.S.N.

Meid to 4 pm.

Fair, gentle breeze from SE & E by S. At 12.10 changed course to E ⅞ S. pat. log 11½; at 2.05 to ESE ½ E. p.l. 29; at 2.30, to ESE. p.l 33⅜; at 2.40 passed Chico Lt. ship and changed course to SE by E ¼ E p.l. 35; at 3.27 c.c to SE ¼ S p.l. 42; Steaming with three boilers; Aver. steam 71 lbs; aver revs: 53.6 Distilling.

Ellstone
Ensign U.S.N.

4 to 8 pm.

Foggy. Gentle breeze from the East to ENE. At 4.40 changed course to NE ¼ E p.l. 52.8. At 4.48 hauled in pat. log reading 53.9 & at 4.50 came to with stbd anchor, 4½ fms water, 30 fms chain Bar. Red fires. Distilling.

M. O. Bulmer
Ensign U.S.N.

8 pm to Mid.

Cloudy & misty. Light airs to gentle breeze from ENE and ESE. Fires banked. Distilling.

Ellstone
Ensign U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At anchor in Rio de la Plata

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				NW	ENE	3			30.12	70	61	60		b c m	cirrus	3	
1				"	"	3			30.13	69	61	60		"	"	3	
2				"	"	3			30.13	68	60	59		"	"	4	
3				"	"	3			30.13	67	60	59		b c	cir cumulo	8	
4				NNW	East-	3			30.13	68	60	59		b c l	"	7	
5			30 1/2	SE by S	"	3			30.16	63	60	58		b c	"	4	
6			57	"	ENE	3			30.20	63	58	57		o c	cumulus	0	
7	3	5	61	SE	"	3			30.23	63	59	57		"	"	0	
8	2		64	E by N	ESE	3			30.23	62	59	57		"	"	0	
9	3		73	"	"	3			30.22	61	58	57		"	"	0	
10	2	0	81.5	NE by E 1/2 E	SE	3			30.19	61	57	56		b c	"	2	
11	0	5	90.8	"	"	3			30.16	61	60	57		"	"	5	
Noon.			97.8	"	East-	3											
			106-2	ENE	"	3											

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water Distilled during the preceding 24 hours, 1062 "

Water remaining on hand fit for use at Noon, 3136 "

Coal consumed during the preceding 24 hours, 8 tons 1765 lbs.

Coal remaining on hand at Noon, 141 " 1439 "

P. M.												
1	108.1	ESE	NE	2	30.13	63	62	57	b c	cir. str.	8	
2		"	"	2	30.13	63	64	61	"	"	9	
3		SE	ENE	2	30.12	66	63	59	"	"	9	
4		ESE	ESE	2	30.12	66	63	60	"	"	9	
5		SE	SE	2	30.12	66	61	59	b c m	cir cumu	9	
6		"	SSE	3	30.13	68	60	58	"	"	8	
7		"	"	3	30.17	71	59	57	b c	"	8	
8		ESE	"	3	30.18	72	60	58	"	"	9	
9		SE	ESE	3	30.19	73	60	58	"	"	5	
10		East-	"	3	30.19	71	60	58	"	"	5	
11		"	"	3	30.19	71	60	58	"	"	7	
Mid.		ENE	East-	2	30.18	70	60	58	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, Sept. 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and fill 4 a.m.
Clearing. Gentle breeze from E.N.E. Banked fires. Distilling.
Engr. F.W. Kohlman
Lieut. U.S.N.

4 to 8 a.m.
Cloudy. Gentle breeze from the East to E.S.E. At 5.40 up anchor. Underway at 5.47 course S.E. ½ S. At 6.10 changed course to S.E. ½ S. & at 6.26 to S.E. pat. log 59. At 6.38 c.c. to E. by N. pat. log 61 and at 6.58 to E. ¼ N. pat. log 63.8 c.c. at 7.58 to N.E. by E. ½ E. At 8.10 changed course to avoid vessel & came back again immediately. Steam 72. Revs. 49 Distilling.
M. Hulme
Ensign U.S.N.

8 a.m. to Merid.
Cloudy, clearing last part. Gentle breezes from S.E. & East. At 10.00 secured ship to 1st sled & port for tactical diameter, and also had trial at backing from going ahead full speed. At 10.43 put over pat. log reading 93 and went ahead on course N.E. by E. ½ E, at 11.16 changed course to E.N.E. pat. log 100. Revs. steam 70 Revs. 52. Stopped distilling.
C.M. Stone
Ensign U.S.N.

Merid to 4 p.m.
Clear & pleasant. Light breeze from N.E. to E.N.E. Stood in for anchorage in Montevideo harbor, called all hands bring ship to anchor at 12.16 At 12.17 hauled in pat. log reading 108.1 Let go the port anchor at 12.27 and moored ship with 45 fms. on each chain but being rectified by the harbor master that was not in the track of steamers entering the harbor, shifted berth at 1.50 mooring in 5 fms. water soft muddy bottom with 45 fms. on each chain and put on the mooring swivel. Anchors laid out S.E. and N.W. port anchor to the S.E. Hauled fires. Ships draft forward 15'7" amidships 15'2" aft 16'4" Bearings from anchorage (pc) Elsewhere: N.W. ½ W, Asylum N. ¼ W, Custom House Landing E.N.E. ¼ E. Present in port the following men of war: Uruguay Genl. Riviera, English Magpie; Italian Sebastiano Veniero; Spanish Colon; Brazilian Paranahyba and Chilian Presdt. Errazuriz. Officers were sent aboard from each of them with the compliments of their Comdg. Officers and their visits were returned. Exercised Pvt. H.A. Jones for one hour.
Engr. F.W. Kohlman
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle breeze from S.S.E. & S.E. Sent liberty party ashore. Fires banked.
C.M. Stone
Ensign U.S.N.

8 p.m. to Mid.
Generally clear. Gentle to light breeze from E.S.E. to East.
Engr. F.W. Kohlman
Lieut. U.S.N.

Examined and found to be correct.

H. V. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				East-	East-	1			30.17	69	60	58		bc	cir cum	4	
2				SE	"	2			30.17	69	60	58		"	"	6	
3				ESE	"	2			30.16	68	61	59		"	"	8	
4				"	"	2			30.15	67	61	59		"	"	2	
5				East-	North-	3			30.14	65	60	59		bc	cum nimb	0	
6				E by S	"	3			30.14	60	60	59		bc p	"	0	
7				NE	NE	3			30.14	61	58	57		bc p	cum nimb lee 2	2	
8				North-	North-	2			30.13	61	58	57		oc	cum nimb	0	
9				NW	"	2			30.14	65	59	58		bc	cir cum	4	
10				"	"	2			30.14	66	62	60		"	"	4	
11				NW	NNW	2			30.14	66	63	61		"	"	3	
Noon.				West-	"	2			30.13	66	65	63		"	"	3	
P. M.																	
1				W	NNW	1			30.14	65	65	63		bc	cir cum	1	
2				WSW	WNW	1			30.14	66	66	63		oc	"	0	
3				South-	NW	1			30.09	67	66	63		"	"	0	
4				SSE	NE	2			30.06	67	66	63		old	nimb	0	
5				"	SSE	2			30.06	66	65	63		oc	cum nimb	0	
6				"	"	1			30.06	68	64	63		"	"	0	
7				"	"	1			30.09	72	65	63		ocd	cum nimb	0	
8				East-	NE	2			30.10	72	65	63		oc	"	0	
9				NbyE	"	2			30.09	73	64	62		"	"	0	
10				"	NNE	2			30.09	74	64	62		ocl	"	0	
11				"	"	2			30.07	74	64	62		bcl	"	4	
Mid.				NbyW	NNW	2			30.08	74	64	62		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 404 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2752 "

Coal consumed during the preceding 24 hours, 2 tons 290 lbs.

Coal remaining on hand at Noon, 139 " 149 "

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, Sept 27th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 am.
Partly cloudy. Light airs & light breze from East.

Lieut U.S.N.

4 to 8 am.
Cloudy. Light showers 2d & 3d hour. Light and gentle breze from North & NNE. Executed morning orders: At 5.20 hoisted colors and half masted them, following the motion of the Chilean man-of-war. Rec'd Pay Dept: 114 lbs each fresh meat & vegetables and 8 gallons bread.

Ens U.S.N.

8 am to Merid.
Cloudy. Light breeze from North to NNW at 9.30 had divisional inspection and at 10 the Comdg. Officer inspected the ships and the crew at quarters. The Comdg. Officer of the "Magpie" paid an official visit. Comdr. Snow paid official visits to the "Colon" the "Sabastian Veniro" the "Paranhoyba" and the "Magpie". Ranged 15 fms: chain on deck and sent it to the sheet anchor.

Lieut U.S.N.

Merid to 4 pm.
Generally cloudy, very light drizzle for a few moments last hour. Very light airs from NNW to NW shifting to NE about 3.30

Lieut U.S.N.

4 to 8 pm.
Overcast. Light breeze and airs from NE first hour, shifting at 4.45 after a short calm, to SSE. Light drizzle first and last hours.

Lieut U.S.N.

8 pm to Mid.
Cloudy first two hours, a few stars visible last two hours. Lighting to Wd. Light breze from NE to NNW.

Lieut U.S.N.

Examined and found to be correct.

H. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NNW	NNW	1			30.08	72	62	61		bclo	cir cumb	4	
2				NNW	"	1			30.08	71	62	60		"	"	7	
3				"	"	1			30.08	70	62	60		"	"	7	
4				SSW	"	1			30.08	69	62	61		"	"	2	
5				SbyE	North-	2			30.07	69	63	61		oc	cumb	0	
6				"	"	1			30.09	68	63	61		bc	"	1	
7				SE	"	1			30.10	65	63	61		"	cir cum str.	4	
8				SSE	"	1			30.11	65	64	62		"	"	4	
9				SE	SE	2			30.10	65	64	62		"	"	6	
10				East	"	2			30.10	67	64	62		"	"	4	
11				"	"	2			30.09	65	64	62		"	"	2	
Noon.				"	"	2			30.09	65	64	62		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 496 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2256 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 138 " 1989 "

P. M.									
1	ESE	ESE	3	30.07	67	64	62	bc	cir cum 4
2	"	"	3	30.06	69	66	64	"	" 4
3	"	"	3	30.05	69	67	65	"	" 4
4	"	"	3	30.05	69	67	64	"	" 4
5	SEbyE	EbyN	2	30.04	69	66	63	"	" 1
6	ENE	"	2	30.04	69	65	62	oc	" 0
7	EbyN	ENE	2	30.04	72	65	62	bc	" 1
8	NEbyE	"	2	30.04	73	65	63	"	" 2
9	"	"	2	30.04	74	66	63	bcm	" 7
10	NE	NE	1	30.02	73	66	63	"	" 5
11	NNE	NNE	3	30.01	74	66	63	"	" 6
Mid.	"	"	4	30.01	74	66	63	"	" 4

under the command of Commander A. S. Snow, U. S. Navy,

Monday, Sept 28th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am.
Fair & pleasant, light airs from NW W.

W. Ry Mann Fulk.
Ensign U.S.N.

4 to 8 am.
Clearing. Light breez and airs from North. Listed ship to starboard and painted Port Water line. Engaged in scraping chrong backs & awning stanchions. Recd for use of the crew 111/4 lbs each of fresh beef and vegetables and 8 lbs soft bread.

Jorge Lockman
Lieut. U.S.N.

8 am to Mid
Partly cloudy, pleasant weather. Light breez from SE. At 9.30 mustered at quarters & exercised at fire positions. Scraping chrong backs, refitting splices in main braces & boats topping lifts. U.S. Consul & Comdg officers of Brazilian corvette Paranahyba paid official visits.

[illegible]
Lieut. U.S.N.

Mid to 4 pm
Fair & pleasant, gentle breez from ESE. Crew engaged in overhauling gear & painting gun carriages. The Comdg. Officers of the Spanish Corvette "Colon" and the Chilian Cruiser "Presidente Errazuriz" called officially. Sent out the 2nd cutter with a crew mako ups for exercise. Exercised signal boys.

W. Ry Mann Fulk.
Ensign U.S.N.

4 to 8 pm.
Cloudy, light breez from E by N & ENE. Lieut. J. T. Newton left the ship with leave of absence for one month.

[illegible]
Lieut. U.S.N.

8 pm to Mid.
Partly clear, light airs to moderate breez from ENE to NNE.

W. Ry Mann Fulk.
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by E	NNE	4			29.99	74	65°	63		bc	numb	2	
2				"	"	4			29.97	72	64	62		"	"	2	
3				"	"	4			29.95	71	63	62		oc	"	4	
4				NNE	"	4			29.92	70	63	61		"	"	4	
5				NE by N	"	4			29.88	69	63	60		"	cum nimb	0	
6				NE	"	4			29.88	68	63	61		"	cir cum str:	0	
7				"	"	4			29.85	65°	62	60		"	"	0	
8				East-	"	4-5			29.84	65°	63	61		"	"	0	
9				North-	North-	2			29.84	66	65°	62		"	"	0	
10				"	"	2			29.81	67	66	63		"	"	0	
11				NE	"	3			29.77	68	67	64		"	"	0	
Noon.				North-	"	3			29.74	69	69	66°		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 4448 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1808 "

Coal consumed during the preceding 24 hours, tons 1160 lbs.

Coal remaining on hand at Noon, 138 " 829 "

P. M.														
1				NNW	NNW	3			29.74	69	70	65°	oc	cir cum	0
2				"	NW by N	3			29.73	69	68	65°	oc	cum nimb	0
3				"	"	1			29.68	68	68	65°	oc	"	0
4				"	East-	1			29.64	68	67	65°	"	"	0
5				"	West-	2			29.63	69	66	64	"	"	0
6				SSW	SW	2			29.64	74	66	64	"	"	0
7				"	"	2			29.65	75°	66	64	oc ll	"	0
8				WSW	WSW	3			29.70	76°	65°	63	bc l	"	4
9				NW	West-	2			29.73	75°	65°	63	"	"	6
10				WNW	"	3			29.76	74	64	61	"	"	9
11				West-	"	3			29.76	72	63	61	bc	"	9
Mid.				"	"	4			29.77	71	62	60	"	"	6

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, September 29th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 am.
Cloudy. Moderate breeze from NNE.

C. M. Stone
Ensign U. S. N.

4 to 8 am.
Cloudy. Moderate breeze from NNE. American barkentine "Kremlin" came in and anchored.

[illegible]
Lieut. U. S. N.

8 am to Merid
Overcast & cloudy. Light to gentle breeze from North. Mustered and inspected at quarters and exercised all boats under oars. An officer boarded the American barkentine "Kremlin" from N. York.

W. Roy Mackenzie, Jr.
Ensign U. S. N.

Merid to 4 pm.
Overcast, cloudy & rainy last three hours of watch. Light airs to gentle breezes from NW by W, NW by W and East.

C. M. Stone
Ensign U. S. N.

4 to 8 pm.
Overcast & cloudy, light breeze from West & WSW. Let up sheet chain & shackled it to 1st part on deck.

W. Roy Mackenzie
Ensign U. S. N.

8 pm to Mid
Mostly clear & pleasant. Light to moderate breeze from West.

C. M. Stone
Ensign U. S. N.

Examined and found to be correct.

[illegible]
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				WSW	WSW	3-5			29.78	68	61	57		bcg.	cumulo.	4	
1				"	"	3-5			29.80	67	59	57		"	"	4	
2				SW by W	"	3-5			29.82	65	58	56		"	"	4	
3				"	"	3-5			29.86	64	57	56		"	"	6	
4				SSW	SW	5-6			29.89	64	57	56		"	"	6	
5				"	"	4-6			29.95	64	57	56		"	"	7	
6				SbyW	"	3-5			29.97	62	58	56		"	cir cumu stra.	5	
7				"	"	3-5			29.98	62	58	56		"	"	7	
8				South-	"	3			29.99	64	58	57		bc	"	4	
9				SSW	"	3			30.01	64	61	58		"	"	4	
10				SbyW	"	3			30.03	64	61	58		"	"	6	
11				South-	"	3			30.04	64	62	59		"	"	6	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1448 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1360 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 138 " 429 "

P. M.							
1	South-	WSW	3	30.06	66 63 60	bc	cir cumu stra. 7
2	"	West-	3	30.07	66 64 61	"	" 7
3	SW	WSW	2	30.08	68 65 61	"	" 8
4	WW	SW	2	30.07	68 65 61	"	" 5
5	"	"	1	30.08	67 65 62	"	cir str. 8
6	WSW	SSW	1	30.09	68 64 61	"	" 8
7	SSW	"	1	30.11	71 64 61	"	" 9
8	"	South-	1	30.14	72 63 59	"	" 9
9	SE by S	SSE	2	30.16	71 62 59	bc rain	cumb 8
10	ESE	"	3	30.17	71 60 59	"	" 2
11	SE	SE	3	30.17	70 59 57	"	" 2
Mid.	"	"	4	30.17	68 58 57	"	" 2

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday, Sept 30th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am.
Generally cloudy. Stiff to fresh WSW breze in squalls: Barometer pissing.

M. M. Hulme Jr.
Ensign U.S.N.

4 to 8 am.
Partly cloudy. Gentle to fresh breze from SW. Rec'd for use of crew 111/4 lbs of fresh Beef, 111/4 vegetables & 89 lbs soft bread.

W. Ray Mason Field
Ensign U.S.N.

8 am to Midd.
Partialy cloudy. Gentle breze from SW. At 9.30 mustered at quarters & exercised divs as per routine. J Clinton (2d F) returned on board ship with transfer papers & bag and hammock. Released Pot H.A. Jones from confinement, his time having expired. The Condy. Officer adjudged the following punishments: J. Cunningham (Ord Sea) Stopping 1 argue the question to obey orders — Rdd to 2nd class, 6 weeks. R. Behn (Pot), R. Sherlock (Pot), R. A. Wendt (Pot) Clothes in lucky bag — each 2 hrs extra duty. Geo. D. Mercier (Cdo) Clothes in lucky bag — midnight watch. R. A. Wendt (Pot) Fighting — 2 hrs extra duty.

Custons
Ensign U.S.N.

Midd to 4 pm
Clear & pleasant. Gentle to light breze from WSW to the Mast: Exercised especial crew in 2nd cutter for 1 hour. Weighed gun cotton & found it correct.

M. Hulme Jr.
Ensign U.S.N.

4 to 8 pm.
Clear & pleasant. Light airs from SW & SSW & South. Sent a liberty party ashore.

Custons
Ensign U.S.N.

8 pm to Mid.
Clear. Heavy dew. Light to gentle breze from SSE to SE.

M. Hulme Jr.
Ensign U.S.N.

Examined and found to be correct.

G. K. Cluster
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SE	SE	3			30.17	66	57	56		bc	cum. nimb	2	
2				"	"	3			30.17	65	57	55		oc	"	0	
3				"	"	3			30.17	64	56	55		"	"	0	
4				"	"	2			30.17	63	56	54		oed	"	0	
5				"	"	3-4			30.16	62	56	54		oc p	nimb	0	
6				"	ESE	3			30.16	60	56	54		"	"	0	
7				SE by E	"	3			30.18	60	56	54		oc	"	0	
8				"	East	3			30.19	60	57	55		bc	cum. nimb	1	
9				ESE	ENE	3			30.18	62	57	55		"	cum str	2	
10				"	"	4			30.17	63	57	55		"	"	2	
11				SE by E	"	4			30.18	64	58	56		"	"	4	
Noon.				ENE	"	2			30.20	74	60	57		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.													
1	SE	SE by E	3	30.21	69	60	57	bc	cir cum str.	7	
2	SSE	"	3	30.19	68	59	57	"	"	4	
3	SE	"	4	30.17	72	58	56	"	"	4	
4	ESE	ESE	4	30.17	73	58	56	"	"	3	
5	"	"	4	30.17	69	58	56	"	"	4	
6	East	East	4	30.14	68	58	56	"	"	6	
7	"	"	4	30.13	73	58	56	"	"	8	
8	"	"	3	30.13	75	59	57	bc nc	"	8	
9	"	ENE	3	30.12	77	60	59	"	"	9	
10	ESE	"	3	30.12	76	60	57	"	"	9	
11	East	"	3	30.11	75	60	59	"	"	9	
Mid.	"	"	3	30.10	74	58	56	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday October 1st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Overcast: Gentle breeze from S.E. Moderate harbor sea.
Geo. F. Holloway
Lieut. U. S. N.

4 to 8 AM.
Cloudy with light showers first hour. Gentle to moderate breeze from S.E. to East. Executive mooring orders. The Chilian Cruiser Presidente Errazuriz left harbor.
C. E. Stone
Ensign U. S. N.

8 AM to Meid.
Cloudy first part, clearing last part. Gentle to moderate E.N.E breeze. At 9.30 mustered at quarters & then exercised boats under sail. Uruguayan Gunboat General Artigas shifted anchorage inside. Steam in distilling boiler.
W. O. Hulme
Ensign U. S. N.

Meid to 4 PM.
Fair first part cloudy latter part. Gentle to moderate breeze from S.E. by E. to E.S.E. Engaged in repairing steam launches boiler. Began distilling.
Geo. F. Holloway
Lieut. U. S. N.

4 to 8 PM.
Fair. Moderate to gentle breeze from E.S.E. to the East.
W. O. Hulme
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant: Gentle breeze from E.N.E. Distilling.
Geo. F. Holloway
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lewis
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NE	4			30.07	70	56	54		oc.	nimb	0	
2				NE	"	4			30.05	69	56	54		"	"	0	
3				"	"	4			30.03	69	57	55		"	"	0	
4				NE by N	NNE	4			30.01	68	56	54		"	"	0	
5				NNE	NE	3			30.00	68	58	56		ocl	cumb nimb	0	
6				"	"	3			29.99	66	59	57		"	"	0	
7				"	NNE	4			29.94	63	59	57		bc	cir cum nimb	2	
8				"	"	4-5			29.94	64	61	58		"	"	1	
9				NE	North-	3-4			29.96	67	62	59		oc	cir nimb	0	
10				South-	SSW	2-4			30.04	68	62	57		ocplt.	nimb	0	
11				NE	ENE	2			30.03	67	60	59		"	"	0	
Noon.				East-	NE	2			29.98	67	60	59		ocp	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water Distilled during the preceding 24 hours, 1391 "

Water remaining on hand fit for use at Noon, 2016 "

Coal consumed during the preceding 24 hours, 1 tons 725 lbs.

Coal remaining on hand at Noon, 136 " 1164 "

P. M.									
1	NE	NE	4	29.91	76	60	59	ocp	nimb	0	
2	East-	"	5	29.90	75	61	60	"	"	0	
3	NE	NNE	2	29.84	72	62	61	oc	"	0	
4	NNW	North-	1	29.83	71	63	61	"	cum nimb	0	
5	SW by W	SSW	1	29.83	69	63	61	bc	cir cum strat-	2	
6	WSW	"	2	29.87	69	63	61	"	"	2	
7	W by W	SE	2	29.86	71	63	62	"	"	3	
8	S by E	"	2	29.87	70	62	61	"	"	6	
9	"	SSE	1	29.87	70	63	62	bcno	"	6	
10	SSE	"	1	29.87	76	63	61	"	"	5	
11	"	SE	1	29.87	70	62	61	"	"	2	
Mid.	SE	ESE	2	29.87	74	62	60	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,

Friday, October 2nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Cloudy, moderate breeze from NE. & NNE. Distilling.
Lieut-U.S.N.

4 to 8 AM.
Overcast. Gentle to fresh breeze from NE to NNE. Barometer falling rapidly. Executed morning order & cleaned bilges. Rec'd for use of crew 112 ½ lbs each of fresh beef & vegetables & 90 lbs bread. Distilling.
M. Hulme Jr.
Ensign U.S.N.

8 AM to Mid.
Overcast. Gentle to moderate breeze from North until 9.10 when the wind shifted to SW light in force with moderate squalls accompanied by rain and some thunder and lightning. After 10 the wind backed to NE with a steady force of light breeze, the rain continuing Barometer unsteady. At 9.00 sent down light spars.
Geo. W. Logan
Lieut. U.S.N.

Mid to 4 PM.
Cloudy with rain first two hours, clearing last two. Moderate to fresh breeze from NE first two hours, shifting to North and falling to light airs last two hours. Barometer falling. Distilling.
Lieut. U.S.N.

4 to 8 PM.
Clearing. Light airs and breezes from SSW to SE. Distilling.
Lieut. G. W. Logan
Lieut. U.S.N.

8 PM to Mid.
Generally cloudy. Light airs to light breeze from SSE. to SE. Distilling.
Lieut. U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				South-	East-	1			29.86	74	61	59		af.	—	0	
2				NE	"	1			29.83	72	60	58		"	—	0	
3				North-	"	1			29.80	72	59	58		"	—	0	
4				"	"	1			29.79	72	59	58		"	—	0	
5				W by N.	Calm	0			29.79	70	60	58		o c f w	cum	0	
6				WNW	NW	1			29.79	70	60	59		"	"	0	
7				NW	NNE	1			29.79	66	60	59		"	"	0	
8				S by W	South-	1			29.78	65	60	59		"	"	0	
9				S E by S	NNE	2			29.76	64	60	59		o c f	cum	0	
10				E by N	"	2			29.75	65	61	60		"	"	0	
11				SE	NNW	2			29.73	66	62	61		b c f	cum nimb	2	
Noon.				S W by W	"	3			29.71	66	64	62		blc	nimb cir cum	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water Distilled during the preceding 24 hours, 332 "

Water remaining on hand fit for use at Noon, 2988 "

Coal consumed during the preceding 24 hours, 1 tons 1440 lbs.

Coal remaining on hand at Noon, 135 " 724 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				S W	NNW	1			29.66	67	66	63		bc	cir cum strat-	7	
2				S E	E by E	2			29.64	67	66	64		"	"	6	
3				"	SE	2			29.63	67	65	64		"	"	7	
4				E by E	"	2			29.61	66	64	62		"	"	7	
5				E N E	E N E	2			29.58	68	66	64		"	cir str	5	
6				E by E	"	2			29.54	70	65	62		"	"	8	
7				"	"	2			29.54	72	65	62		"	"	8	
8				"	NE	2			29.56	74	65	63		bcl	"	5	
9				"	NNE	2			29.57	74	66	64		ocl	nimb	0	
10				S by E	"	2			29.59	74	68	66		"	"	0	
11				S S E	"	2			29.60	73	68	65		o c lp	"	0	
Mid.				S by W	NNW	2			29.63	73	68	65		ocl	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Saturday, October 3rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Overcast & foggy, light airs from East:

W. Rey Thaun Field
Ensign U. S. N.

4 to 8 AM.
Foggy. Calm first hour, then light airs from NW backing to South: At 7.45 bidded top gallant masts & loosed top gallant yards. Distilling.

Jas. F. Wyman
Lieut. U. S. N.

8 AM to Mid.
Thick fog first two hours, clearing last two. Light to gentle breeze from NNE to NW by W. Distilling. The Condg. Officer adjudged the following punishments: J. A. Callan (S. Appd) Turned in, in his hammock, while on anchor watch 1 to 4 midnight watches (confd) Lying. — Reds 4 Loss 3 months. J. M. Falvey (Ck & Gr) & E. M. Carver (S Bugler) Wrestling & skylarking on quarter deck — 2, 4 hour anchor watches. J. J. Falvey (Ck) Not performing gun gear, not obeying order of gun captain & 2 hrs extra duty at night work for three days.

Lieut. U. S. N.

Mid to 4 PM.
Clear & pleasant; variable light airs and breeze. Sent liberty party ashore and hoisted boiler into steam launch. Stopped the distiller.

W. Rey Thaun Field
Ensign U. S. N.

4 to 8 PM.
Generally clear & pleasant. Light breeze from ENE. Barometer falling. Sent down topgallant masts. Jno. Shirley (Sea) was placed under sentry's charge by order of Condg. Officer for being drunk on duty.

Lieut. U. S. N.

8 PM to Mid.
Overcast with passing showers, accompanied by lightning. Barometer very low. Indications of bad weather.

W. Rey Thaun Field
Ensign U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut; Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW	SW	3			29.64	73	67	64		bcl	nimb	3	
2				East-	ESE	3			29.62	73	64	61		"	"	6	
3				SSE	"	3			29.58	71	63	61		"	"	7	
4				South-	South-	4			29.57	71	62	61		ocl	"	0	
5				"	SSE	3			29.60	71	62	61		"	"	0	
6				SSW	South-	3			29.63	70	63	61		ocp	"	0	
7				NW	ESE	3			29.65	67	63	61		oc	"	0	
8				ESE	SSW	3			29.71	67	63	61		ocp	"	0	
9				South-	WSW	3			29.73	67	63	60		"	"	0	
10				"	"	2			29.79	67	63	62		"	"	0	
11				West-	SW	4			29.81	67	63	61		oc	"	0	
Noon.				"	South-	4			29.81	66	62	60		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 364 gallons.

Water during the preceding 24 hours, 160 "

Water remaining on hand fit for use at Noon, 2824 "

Coal consumed during the preceding 24 hours, tons 970 lbs.

Coal remaining on hand at Noon, 134 " 1994 "

P. M.																	
1				SSW	SSW	4			29.81	66	62	58		bc	cir cumu ximb	6	
2			-	SW	"	4			29.81	65	61	56		"	cir cumu strat.-	7	
3				West-	"	4			29.82	64	61	55		"	"	7	
4				SW	SW	4			29.85	66	61	55		"	"	7	
5				SSW	"	4			29.87	66	62	56		"	"	7	
6				"	"	3			29.89	65	61	56		"	"	8	
7				"	"	3			29.92	70	61	56		"	"	8	
8				"	"	3			29.92	70	61	56		"	"	9	
9				South-	SSW	3			29.96	70	62	56		b	nimb	10	
10				"	"	3			29.96	70	61	55		"	"	10	
11				ESE	SE	2			29.97	69	59	56		"	"	10	
Mid.				East-	ESE	3			29.98	68	59	56		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, October 4th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.

Mostly cloudy. Gentle and moderate breezes from SW to SSE. J. A. Callen (S. disp ed) stood extra watch per order of Condg. Officer.

E. K. Stone
Ensign U. S. N.

4 to 8 AM.

Cloudy with lightning to SE & E a first part, with rain from 6 till 6. passing showers last hour. Gentle breezes unsteady in direction varying from SSE to SSW. Barometer rising. Jno. Sleiter (Sea) was released from sentry's charge by order of Condg Officer. Rec'd 112½ lbs fresh meat, 112½ lbs vegetables & 90 lbs soft bread for issue to crew.

[illegible]
Lieut. U. S. N.

8 AM to Merid.

Overcast with passing showers. Gentle to moderate breezes from WSW to South.

W. Rx Hoen Feld.
Ensign U. S. N.

Merid to 4 PM.

Fair. Moderate breezes from SSW and SW. Sent liberty party on shore.

C. M. Stone
Ensign U. S. N.

4 to 8 PM.

Clear & fine. Moderate to gentle breeze from SW.

W. Rx Hoen Feld.
Ensign U. S. N.

8 PM to Mid.

Clear & pleasant. Light and gentle breezes from SSW to E.S.E.

C. M. Stone
Ensign U. S. N.

Examined and found to be correct.

E. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NE	3			30.00	67	59	56		bw	none	10	
2				NE	"	3			30.01	67	57	55		1	"	10	
3				NNE	"	3			30.01	66	55	53		"	"	10	
4				N by E	NNE	3			30.01	65	55	53		"	"	10	
5				North	"	3			30.03	64	55	53		bc20	cum	7	
6				"	"	2			30.03	60	55	53		bc	"	9	
7				NbW	"	2			30.04	60	55	53		bcm	cir cum	8	
8				NW by N	"	2			30.06	61	57	54		"	"	4	
9				NNW	North	1			30.06	65	59	56		bc	"	4	
10				South	"	1			30.08	65	61	57		"	"	4	
11				SE	"	2			30.08	65	62	57		"	"	4	
Noon.				ENE	"	2			30.08	65	63	57		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.:
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 960 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 24464 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 134 " 15714 "

P. M.											
1	East-	NE	2	30.08	66	64	57	bc	circum	7	
2	ENE	NNE	2	30.06	66	65	56	"	"	7	
3	WSW	"	2	30.04	66	67	60	"	"	9	
4	SW	ENE	2	30.03	66	68	61	b	none	10	
5	SbyE	"	2	30.03	66	66	60	bc	cum	9	
6	SSE	"	2	30.03	66	64	60	bcm	"	9	
7	"	"	2	30.03	70	63	57	"	"	9	
8	EbyS	NE	2	30.04	71	64	60	bml	none	10	
9	East-	"	2	30.05	71	62	57	"	"	10	
10	ESE	"	2	30.06	69	60	56	"	"	10	
11	"	"	3	30.06	67	59	55	bc	circum	9	
Mid.	"	"	3	30.07	65	57	54	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Monday October 5th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM:
Clear & cool. Dew heavy. Gentle breeze from NE by N to NNE.

M. O. Hulme 4th
Ensign U. S. N.

4 to 8 AM.
Generally clear & pleasant weather. Misty. Latter part. Gentle to light breeze from NNE. Crossed royal yards at 7.45. Recd 112½ lbs. meat, 112½ lbs vegetables & 90 lbs soft bread.

~~A. Barr~~
Lieut. U. S. N.

8 AM to Mid.
Cloudy. Light airs and breeze from North. At 8.45 loosed sail to a bowline. At 9.30 mustered at quarters and found Thos. Shields (Pvt.) absent from ship without leave. Exercised divs as per routine. At 11.30 furled sail. The Condg Officer adjudged the following punishments: J. Sliney (Sea) Drunk on duty — 3 days confinement on bread & water. R. Behn (Pvt.) Shoes in locker bag — 2 hours extra duty. J. Sliney (Sea) Abusive to sentry — fined 5 — 4th class 3 months 1st Monthly money. R. Sherlock (Pvt.) Not mooring boat falls — 6 hours extra duty.

O. M. Stone
Ensign U. S. N.

Mid to 4 PM.
Clear & coarse. Light breeze from ENE to NNE Hoisted out steam cutter. Pumped bilges. At 2.40 N. W. S. Magpie got underway & stood to SE.

M. O. Hulme 4th
Ensign U. S. N.

4 to 8 PM.
Clear & pleasant. Light breezes from ENE. Sent liberty party ashore.

O. M. Stone
Ensign U. S. N.

8 PM to Mid.
Clear & pleasant. Lightning to SE. Light to gentle NE breeze.

M. O. Hulme 4th
Ensign U. S. N.

Examined and found to be correct.

L. K. Austin
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE	NE	3			30.08	64	57	54		b 10	none	10	
2				NNE	NNE	3			30.08	64	54	52		"	"	10	
3				North-	North-	2			30.08	64	53	51		"	"	10	
4				"	"	2			30.08	64	53	51		"	"	10	
5				NNE	"	3			30.09	64	54	62		b c w	circum stra-	7	
6				NbyE	"	2			30.10	63	55	53		b c m	"	8	
7				North-	SSW	2			30.13	62	57	55		"	cir strā	8	
8				West-	South-	2			30.14	61	58	56		"	"	9	
9				SWbyS	"	2			30.14	62	60	57		b c m	circum	9	
10				SbyE	"	2			30.16	63	61	57		"	"	9	
11				SSE	SSE	2			30.16	66	61	57		b c	"	8	
Noon.				SEbyS	SEbyS	2			30.16	65	61	57		"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 460 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2004 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 134 " 1194 "

P. M.								
1	SE	SEbyS	2	30.16	65	61	57	b c	cir cum	6
2	"	"	2	30.16	67	62	58	"	"	6
3	East-	"	3	30.17	67	62	58	"	"	6
4	ENE	"	3	30.17	67	62	58	"	"	6
5	ESE	"	3	30.19	67	61	57	"	cir strā	7
6	East-	SSE	3	30.21	68	61	57	"	"	5
7	SE	SE	2	30.24	70	60	58	"	"	8
8	"	"	2	30.25	71	61	56	"	"	8
9	ESE	SEbyE	4	30.27	72	58	55	"	cir cum	9
10	SEbyS	"	4	30.29	72	56	54	"	cir cums nemb.	6
11	SEbyE	"	4	30.29	72	55	52	"	"	6
Mid.	"	"	4	30.29	69	55	52	"	"	6

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, October 6th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear and pleasant: Gentle to light breeze from NE to North:

Geo. F. Holman
1st Lieut U.S.M.

4 to 8 am.
Clear and pleasant: Light and gentle breeze from North, SSW and South:

S. M. Stone
Ensign U.S.N.

8 am to Merid.
Clear & pleasant: Light breeze from the South to SE. by S. At 9.30 Mustered at quarters & then exercised all boats at naval tactics.

M. Mahan
Ensign U.S.N.

Merid to 4 pm.
Clear & pleasant: Light to gentle breeze from SE by S. Received the following stores in Equipment Department: 37 lbs 9 thread patline; 99 lbs 18 thread patline; 70 lbs 21 thread patline: 11 lbs hemp rope unlaid; 4 lbs camphor; 6 marline spikes; 17 globes; 2 baking pans; 2½ yds 18" blue bunting. In Construction Department: 6 Bulls eyes: 4 lbs copper tacks: 4 gross screws: 4 lbs glue, 8 lbs patent dryer; 188 lbs white Lead; 94 lbs white zinc. In Pay Department: 2500 lbs biscuit. 1000 lbs flour; 1000 lbs coffee, 250 lbs sugar, 100 lbs tea; 1 bale drawers: Recd for U.S.S. Tallapoosa": 12 bales clothing, 6 boxes shoes; 1 box pilot, 1 box neckerchiefs and white hats, 10 bbls pork, 10 bbls beef, 3 bbls pice, 3 bbls vinegar, 5 bbls brans: 18 kegs pickles: 14 boxes butter, 14 boxes tomatoes, 32 boxes vegetables 10 boxes tobacco, 33 boxes soap, 2 boxes dried apples, 2 boxes prunes & 1 box figs: The English gunboat "Magpie" returned to port:

Geo. F. Holman
1st Lieut U.S.M.

4 to 8 pm.
Mostly clear & pleasant: Light and gentle breezes from SSE. to SE. At 5:30 sent down royal & top gallant yards and beat light sails:

S. M. Stone
Ensign U.S.N.

8 pm to Mid.
Clear and pleasant: Moderate breeze from SE by E. Moored in harbor as.

Geo. F. Holman
1st Lieut U.S.M.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Montevideo, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				ESE	ESE	4			30.28	68	57	57		bc	cir. cum	5	
2				"	"	3			30.28	66	54	57		"	"	2	
3				"	"	4			30.27	65	53	50		"	"	1	
4				"	"	4			30.26	65	53	50		"	"	2	
5				"	"	4			30.28	62	53	50		oc	cum nimb	0	
6				"	"	4			30.29	57	53	50		"	"	0	
7				E by S	"	4			30.29	58	53	50		"	"	0	
8				ESE	"	4			30.29	58	53	50		bc	"	1	
9				"	"	3			30.36	71	54	50		oc	cum nimb	0	
10				SE	"	3			30.37	68	53	57		"	"	0	
11	12	8	4-2	SW½W	SE	4			30.32	62	56	52		bc	"	1	
Noon.	24	8	14-9	"	"	4			30.30	62	56	52		"	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 404 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1600 "

Coal consumed during the preceding 24 hours, 2 tons 290 lbs.

Coal remaining on hand at Noon, 132 " 904 "

P. M.																	
1	5	5	26	SW½W	SE	4			30.32	74	53	52		bc	cir cum	2	
2	10	5	36.5	"	"	4			30.30	73	55	52		"	cir cum nimb	2	
3	10	7/8	47.25	WNW	ENE	4			30.27	71	58	54		"	"	2	
4	9	0	38.	NW½N	"	4			30.26	65	58	55		"	"	2	
5			69.2	"	"	4			30.21	64	59	56		oc	"	0	
6			81.	N½W	"	4			30.19	65	59	56		"	"	0	
7			89.4	N¾W	"	4			30.21	68	59	56		bc	"	2	
8			98.5	"	East	4			30.22	71	59	57		"	"	3	
9	3	0	101.5	"	"	5			30.20	71	59	56		"	"	2	
10				NE	"	5			30.19	71	58	56		oc	"	0	
11				North	"	5			30.18	70	59	57		"	"	0	
Mid.				NbW	"	6			30.15	67	59	57		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday, October 7th 95, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Generally cloudy, pleasant weather. Gentle to moderate breze from ESE. Moderate harbor sea.

Lieut. U. S. N.

4 to 8 AM.
Overcast: Moderate ESE breze. Took off morning swivel. Hoisted steam launch. Secured battery for sea. At 7.45 crossed topgallant yards & bent gear. At 8 started fires in three boilers. Recd for use of crew 112½ lbs. each fresh beef & vegetables & 90 lbs. bread.

Ensign U. S. N.

8 AM to Mrid.
Cloudy. Gentle to moderate breze from ESE to SE. At 8.45 hove up & and hove in 45 fms. on port chain. Steam was pressure ready at 10. At 10.07 called all hands up anchor and got underway at 10.18 and stood out of Montevideo harbor bound for Buenos Ayres. Ships draft 13'7" forward; 13'2" amidships; 16'4" aft; At 10.30 made plain sail & topgallant sails, except mainsail. At 10.35 took departure El Cerro bearing mag. NW by W and Bravo Lt. mag. E½N. Set the course SW½W. Put over board Merills pat. log, set at 0 and Bliss patent log set at 8. Aver steam 70 lbs; aver. revs 52.7

Lieut. U. S. N.

Mrid to 4 pm.
Cloudy and raw. Moderate breze from SE & ENE. At 12.30 changed course to W½S W¼W (pc) pat. log 21, at 2.50 made Indio L. ship bearing NW & at 2.15 changed course to WNW. pat. log 39¼. at 3.10 passed Indio L. ship & changed course NW W½W (pc) pat. log 49, at 4 pat. log 58, aver steam 69 lbs; revs 59.3

Lieut. U. S. N.

4 to 8 pm.
Cloudy. Moderate breze from ENE to East. Standing up the Rio de la Plata At 5.10, making out Ortiz L. ship three points on port bow, changed course to W½S W¼W pat. log 73 and ran down for it passing it at 5.40. Hauled up foresail. At 5.45 changed course to W½N pat. log 77, but, shoaling the water to 3 fms. hauled off again to the N by W'd into deeper water. At 6.06 furled sail and sent down light yards: At 6.20 set course W¾N pat. log 83; At end of watch off La Plata. Aver steam 71; revs 50.

Lieut. U. S. N.

8 pm to Mrid.
Cloudy & dark. Obscured moonlight first part. Fresh to strong breze from East. At 8.30 anchored with port anchor, 60 fms chain, 6 fms water on following bearings viz. Colonia Lt. (pc) West, Farallon Light NW by W½W (pc) & Ensenada Lt. SSE (pc) Banked fires under two boilers & allowed them to die out in third boiler.

Lieut. U. S. N.

Examined and found to be correct.

G. K. Lunsford
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Rio de la Plata, off Buenos Ayres.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				WNW by W	East	6			30.14	65	58	56		oc	cir cum nimb	0	
2				"	"	6			30.10	64	58	56		"	"	0	
3				"	"	6			30.10	63	58	56		ocd	"	0	
4				"	"	5			30.11	68	59	57		"	"	0	
5				E by E	E by E	4-5			30.07	65	59	57		oc	nimb	0	
6				E by N	"	4-5			30.07	65	59	57		"	cum nimb	0	
7				"	"	4-5			30.05	68	59	57		"	"	0	
8			107.8	N½W	NE	4			30.05	67	61	60		"	"	0	
9				"	"	4			30.03	64	61	60		ocd	nimb	0	
10				"	"	3			30.01	71	63	61		oc	"	0	
11				"	"	3			30.01	68	63	62		"	"	0	
Noon.				"	"	3			29.94	67	63	62		ocd	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 384 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1216 "

Coal consumed during the preceding 24 hours, 7 tons 1155 lbs.

Coal remaining on hand at Noon, 124 " 1989 "

P. M.								
1		SE	1	29.92	66	63	62	oc cum nimb	0
2	ENE	ESE	1	29.89	67	64	63	" "	0
3	"	SE	1	29.86	67	64	63	" "	0
4	"	"	1	29.85	66	65	64	" "	0
5	"	ESE	2	29.85	66	65	64	" nimb	0
6	"	"	2	29.86	72	65	63	oc m	0
7	"	SE	3	29.90	73	64	63	oc m l	0
8	"	"	3	29.90	73	65	63	" "	0
9	"	ESE	2	29.89	74	65	63	oc "	0
10	"	"	1	29.89	74	65	63	bc "	2
11	"	"	1	29.89	73	65	63	" cir cum	9
Mid.	"	"	1	29.89	72	65	63	" "	9

under the command of Commander A. S. Snow, U. S. Navy,
Thursday October 8th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM
Overcast & drizzling. Stiff breze from East.
W. Ry Mason Field.
Ensign U.S.N.

4 to 8 AM.
Overcast. Moderate to stiff breze from ENE to NE. At 6.40 started fires under two boilers and at 7.10 got under way and stood up the river on a course of NW½N. Ships draft 13'7" ford; 13'2" amid; 16'4" aft. Put over Merrills pat: log reading 101.6 and Bliss pat: log reading 113.3 At end of watch approaching outer anchorage off Buenos Ayres: Aver. steam 65 lbs; revs 44.8.
Ensign Field Delmage
Lieut: U.S.N.

8 AM to Mid.
Cloudy with occasional drizzling rain. Moderate to gentle breze from NE. At 8.40 hauled in pat: log stabd 113, port 125: At 8.50 took pilot & stood in for Buenos Ayres: At end of watch standing in to entrance to Darsena in charge of pilot.
~~Lieut~~ Lieut
Lieut-U.S.N.

Mid to 4 PM.
Overcast, light airs from SE to ESE. At 1.10 moored ship in Dock No 2, at the upper end and spent rest of the watch in making fast alongside of the "Tallapoosa". Hauled fires. An officer called from each of the following vessel to extend the usual courtesies. The Italian Corvette "Andrea Provana" the Chilian Cruiser "Presidente Errazuriz" and the Argentine Corvette "Villarino". The first two calls were returned immediately, but there was no time to return the last call.
Draft of ship fwd 13.10 Aft. 16.5 amidships 15.01
W. Ry Mason Field.
Ensign U.S.N.

4 to 8 PM.
Cloudy & misty & very wet. Lightning latter part. Light to gentle breze from ESE & SE. Started fires for distilling.
~~Lieut~~ Lieut.
Lieut.-U.S.N.

8 PM to Mid.
Overcast, then clearing, light breze to light airs from ESE. Distilling.
W. Ry Mason Field.
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Buenos Ayres, S. A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ESE	1			29.87	71	65	63		bc	cir cum	5	
2				"	"	1			29.87	70	65	63		o f	"	0	
3				"	"	1			29.84	69	64	63		"	"	0	
4				"	"	1			29.84	68	64	62		"	"	0	
5				"	"	1			29.85	68	63	62		o e f	"	0	
6				"	"	2			29.85	67	63	61		"	"	0	
7				"	SE	2			29.85	66	61	60		b c m	"	1	
8				"	"	3			29.84	65	62	61		"	"	1	
9				"	ESE	3			29.84	66	63	62		o c	rimb	0	
10				"	"	3			29.85	66	63	62		o c	"	0	
11				"	South	4-5			29.89	67	62	61		o c r	"	0	
Noon.				"	SE	3			29.88	68	62	61		b c	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 4440 gallons.

Water Distilled during the preceding 24 hours, 936 "

Water remaining on hand fit for use at Noon, 1712 "

Coal consumed during the preceding 24 hours, 1 ton 155 lbs.

Coal remaining on hand at Noon, 123 " 1834 "

P. M.														
1		E by N	SE	2	29.86	66	63	62		oc	rimb	0		
2		"	NW	1	29.93	66	64	62		oc all-	"	0		
3		"	ENE	4	29.73	69	62	60		"	"	0		
4		"	NE	2	29.73	69	63	61		bc	"	4		
5		"	South-	2	29.76	69	64	62		"	cir cum	8		
6		"	"	2	29.83	67	64	62		"	"	8		
7		"	"	2	29.80	71	64	62		"	"	8		
8		"	"	1	29.87	71	62	60		"	"	8		
9		"	"	2	29.89	72	62	61		"	rimb	8		
10		"	"	2	29.89	71	63	61		oc	"	0		
11		"	SE	2	29.89	71	62	60		bc	cir cum	9		
Mid.		"	NE	2	29.90	70	61	60		b o	"	10		

under the command of Commander A. S. Snow, U. S. Navy,
Friday, October 9th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast & foggy. Light airs from E & E. Distilling.
W. O. Hulme
Ensign U. S. N.

4 to 8 a.m.
Cloudy with fog first two hours; misty last two. Light to gentle breze from E & E & S E. Distilling. At 7.45 made Sig. 13 45 q. crossed topgallant yards & loosed sails. Recd 112 1/2 lbs fresh meat, 112 1/2 lbs vegetables & 90 lbs soft bread for issue to crew.

Lieut. U. S. N.

8 a.m. to Merid.
Overcast & rainy, then clearing. Gentle to stiff breze from E & E to South. Mustered at quarters & exercised at general quarters: 1st div ready in 1m 40s; 2nd div in 1m 57s; 3rd div 2m 34 sec, Marg div 1m 59s. Powder div 2m 34s. Engr div 1m 02s. Pay Dispr 0m 44s. Surg div 1m 25s. Delivered to Tallapoosa 8 kegs pickles, 7 boxes butter, 7 box tomatoes, 1 box figs, 1 bbl vinegar, 2 bbls beans, 2 bbls rice 16 boxes vegetables, 6 bales clothing, 6 boxes shoes, 1 box white hats & neckerchiefs, 3 boxes tobacco, 2 boxes Soap, 1 box silk, 2 bbls pork. Sent an officer to return call from Argentine Transport "Villarino".

W. Ry Mcan Fld.
Ensign U. S. N.

Merid to 4 p.m.
Overcast rain lightning & thunder first three hours, clearing last hour. Wind variable the columns only showing direction on the hour. Wind squally. A remarkable rise in barometer 2nd hour and a more remarkable fall of two tenths during third hour steady fourth hour, during this time a very heavy squall was passing down the river. At 3.22 sent down topgallant yards & masts. At 2.55 got out line ahead to the dock.

W. O. Hulme
Ensign U. S. N.

4 to 8 p.m.
Clear weather, light breze & light airs from South.

W. Ry Mcan Fld.
Ensign U. S. N.

8 p.m. to Mid.
Generally clear. Light airs from the South & S E.

W. O. Hulme
Ensign U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	SW	1			29.92	70	62	60		0 cm	nimbs	0	
2				"	West-	1			29.94	69	62	60		"	"	0	
3				"	"	2			29.95	68	62	60		be	"	4	
4				"	"	2			29.96	67	61	59		"	"	1	
5				"	SW	2			29.96	67	61	59		"	"	7	
6				"	"	3			29.96	65	60	58		"	cum nimbs	5	
7				"	South-	2			29.97	64	59	58		"	cir cum	8	
8				"	"	2			30.00	64	61	60		"	"	2	
9				"	"	3			30.00	64	62	59		"	"	8	
10				"	"	3			30.01	65	64	61		"	"	8	
11				"	"	4			30.01	65	66	62		b	nimbs	10	
Noon.				"	"	4			30.01	66	67	63		"	"	10	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water Distilled during the preceding 24 hours, 1607 "

Water remaining on hand fit for use at Noon, 29414 "

Coal consumed during the preceding 24 hours, 1 tons 535 lbs.

Coal remaining on hand at Noon, 122 " 1299 "

P. M.									
1	E by N	South-	3	30.00	69	69	64	be	cir cum 9
2	"	"	4	29.99	69	69	64	"	" 9
3	"	"	4	29.99	69	69	64	"	" 8
4	"	"	4	29.99	69	69	64	"	" 8
5	"	"	4	29.99	70	69	64	"	" 8
6	"	"	2	30.01	70	68	64	"	" 8
7	"	"	1	30.02	73	68	65	"	" 8
8	"	Calm	0	30.06	74	68	65	"	" 7
9	"	"	0	30.10	74	68	65	"	" 6
10	"	NE	1	30.10	73	68	65	"	" 2
11	"	Calm	0	30.10	72	67	64	"	" 5
Mid.	"	"	0	30.10	71	67	64	"	" 7

under the command of Commander A. S. Snow, U. S. Navy,
Saturday, October 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Cloudy; misty first part. Light airs and breeze from SW and West.

C. Winslow
Ensign U.S.N.

4 to 8 AM.
Partly cloudy, light to gentle breeze from SW to South.

W. Ryan Adams Jr.
Ensign U.S.N.

8 AM to Mrid
Clear & pleasant. Gentle to moderate breeze from the South. At 8.30 sent up Topgallant masts & yards. At 9.00 the Condg. Officer left the ships to call on Condg. Officers of the French, Italian, Argentine & Chilian men-of-war. By order of Condg. Officer Jno. Sliney (Sea) was released his term of confinement having expired. Jos. Pierce (Lds) was placed in confinement until 8 PM for being drunk and disorderly.

W. Hulbert
Ensign U.S.N.

Mrid to 4 PM.
Clear & pleasant. Gentle and moderate breeze from South. Sent liberty party ashore.

C. McClure
Ensign U.S.N.

4 to 8 PM.
Clear & pleasant. Light breeze from the South and Calms. Stopped distilling. Jos. Pierce (Lds) was released from confinement having become sober.

W. Hulbert
Ensign U.S.N.

8 PM to Mid.
Partially cloudy. Calms and light airs from NE.

C. McClure
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	South-	2			30.09	65	65	63		b w	nimb	10	
2				"	"	2			30.09	64	64	62		b c w	"	9	
3				"	S E	3			30.09	62	62	60		o c w	"	0	
4				"	"	3			30.08	60	59	59		"	"	0	
5				"	"	2			30.11	60	60	58		"	"	0	
6				"	"	2			30.12	59	60	58		o c f	"	0	
7				"	"	2			30.13	60	57	58		"	"	0	
8				"	"	3			30.14	61	57	56		o c w	"	0	
9				"	E S E	2			30.14	62	59	56		"	"	0	
10				"	"	2			30.14	63	60	58		"	"	0	
11				"	East-	2			30.14	63	61	59		o c	"	0	
Noon.				"	"	2			30.14	63	61	59		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 420 gallons.

Water during the preceding 24 hours, 482 "

Water remaining on hand fit for use at Noon, 2976 "

Coal consumed during the preceding 24 hours, tons 1633 lbs.

Coal remaining on hand at Noon, 121 " 1904 "

P. M.										
1		E by N	S E	1	30.15	64	62	60	o c d	cum nimb 0
2		"	"	1	30.15	64	62	60	o c	" 0
3		"	"	1	30.16	64	62	60	"	" 0
4		"	"	1	30.15	64	64	60	o c d	" 0
5		"	"	2	30.15	64	62	60	"	" 0
6		"	"	2	30.14	67	62	60	b c	nimb 3
7		"	"	2	30.15	69	62	60	"	" 2
8		"	E S E	2	30.15	72	62	60	"	" 2
9		"	East-	2	30.19	72	62	60	"	cir cum 4
10		"	"	3	30.20	72	61	60	b c w	" 4
11		"	"	3	30.20	72	61	59	"	" 3
Mid.		"	"	3	30.20	71	60	59	"	" 3

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, October 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear fine - part - with - heavy dew. Foggy last hour. Light - to - gentle breze from South to SE.

Jno F. Hills Johnson
Lieut - U.S.N.

4 to 8 a.m.
Overcast - foggy & misty. Light - SE breze. Executed morning orders: Recd for use of crew 112½ lbs fresh beef & vegetables - and 90 lbs bread.

W. D. Mulvey
Ensign U.S.N.

8 a.m to Merid.
Cloudy and overcast. Light - breezes from ESE & East - At 9.30 mustered divisional - quarters, 10.00 called all hands to muster & read articles for government of U.S. Navy. Sent Church party on shore. Silas Hackett (Ord.) was sent to the British hospital. The Comdg. Officer of the Villerino made an official call on board.

O. M. Stone
Ensign U.S.N.

Merid to 4 p.m.
Overcast. Occasional light - driggle. Light - airs from SE. Sent a liberty - party ashore.

Jno F. Hills Johnson
Lieut - U.S.N.

4 p.m to 8 p.m.
Cloudy. Gentle and light - breezes from SE and ESE.

O. M. Stone
Ensign U.S.N.

8 p.m to Mid.
Cloudy. Light to gentle - breze from East.

Jno F. Hills Johnson
Lieut U.S.N.

Examined and found to be correct.

L. V. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	East	3			30.21	70	60	58		bc	cir cumc	4	
2				"	"	3			30.21	70	60	58		"	"	5	
3				"	"	3			30.21	69	60	58		"	"	7	
4				"	"	3			30.20	68	60	58		"	"	5	
5				"	ESE	3			30.20	68	60	58		"	"	5	
6				"	SE	3			30.21	66	60	58		"	"	4	
7				"	"	2			30.21	66	61	59		"	"	4	
8				"	ESE	3			30.23	66	61	59		"	"	4	
9				"	"	3			30.25	63	62	59		"	"	6	
10				"	"	3			30.26	66	63	60		"	"	7	
11				"	"	3			30.25	66	64	60		"	cir cumc strat	7	
Noon.				"	"	3			30.25	67	64	60		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 410 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2566 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 121 " 1540 "

P. M.									
1		E by N	ESE	3	30.24	67 64 60	bc	cir cumc	7
2		"	"	3	30.23	67 64 60	"	"	8
3		"	"	3	30.21	66 65 61	"	"	8
4		"	"	3	30.20	66 64 60	"	"	8
5		"	"	4	30.20	65 64 60	"	"	6
6		"	"	4	30.21	64 62 59	"	"	6
7		"	"	4	30.23	70 62 59	"	"	5
8		"	"	4	30.24	71 62 59	"	"	5
9		"	"	4	30.26	72 62 60	"	nimb	2
10		"	"	4	30.27	72 61 59	"	cir cumc	4
11		"	"	4	30.27	71 60 58	"	"	6
Mid.		"	"	4	30.26	71 60 58	"	cir cumc strat	6

under the command of Commander A. S. Snow, U. S. Navy,

Monday October 12th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Partly cloudy, pleasant weather. Gentle breze from East.

~~J. H. Irwin~~
Lieut U. S. N.

4 to 8 AM.

Cloudy. Light and gentle brezes from SSE to ESE. Executed morning orders. At 7.48 crossed royal yards and loosed sail to a bunt line. Read in Pay Dept 112 1/2 lbs fresh beef & vegetables & 90 lbs soft bread.

~~C. H. Stone~~
Ensign U. S. N.

8 AM to Merid.

Clear & pleasant. Gentle breze from ESE. At 9.30 mustered at quarters. absentees, G. W. Bratton (Oiler) M. Kinsler (W.T.) and J. F. Enright (Cpl) Drilled the divisions according to routine. Enlisted for duties of Ents William Christian Lange as OS and Hugo Richard Dickson as OS. Engaged in repairing bed timbers under condenser and in refitting block straps. Instructed the Masters and Coxswains in signalling. The Commanding Officer of the Chilian "Presidente Errazuriz" paid an official visit.

~~Hugo H. Kalmar~~
Lieut U. S. N.

Merid to 4 PM.

Generally clear & pleasant weather. Gentle breze from ESE. Carpenters gang at work in engine room on bed timbers under condenser & Apprentice boys engaged in refitting block straps about the mizzen mast. Furled sail at 1.00. Comdg. Officer of the French corvette "Dare" paid an official visit to this ships.

~~H. Irwin~~
Lieut U. S. N.

4 to 8 PM.

Clear and pleasant. Gentle to moderate breze from ESE. At 6.00 sent down light yards.

~~Hugo H. Kalmar~~
Lieut U. S. N.

8 PM to Meid.

Partly cloudy, pleasant weather. Moderate breze from ESE.

~~H. Irwin~~
Lieut U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ESE	4			30.28	70	59	57		b cw	cir cum.	4	
2				"	SE	3			30.28	69	59	57		"	"	4	
3				"	"	3			30.24	67	59	57		"	"	5	
4				"	"	2			30.24	68	58	56		"	"	6	
5				"	"	3			30.24	66	58	56		bc	cir cum strat-	2	
6				"	"	3			30.26	64	57	55		ac	"	0	
7				"	"	2			30.26	61	58	56		bc	"	1	
8				"	ESE	3			30.27	62	59	57		"	"	1	
9				"	E by N	2			30.28	63	59	56		"	"	1	
10				"	East	3			30.27	64	59	56		"	"	1	
11				"	ESE	3			30.27	65	59	55		ac	"	0	
Noon.				"	"	3			30.27	65	59	55		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 368 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2198 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 121 " 1104 "

P. M.																	
1				E by N	ESE	4			30.26	64	59	56		oc	cumb	0	
2				"	"	4			30.26	64	59	55		"	"	0	
3				"	"	4			30.26	63	58	55		"	"	0	
4				"	"	4			30.26	63	58	55		"	"	0	
5				"	"	4			30.26	63	57	54		"	"	0	
6				"	"	4			30.24	67	58	55		"	"	0	
7				"	"	4			30.25	68	58	55		"	"	0	
8				"	"	4			30.26	68	58	55		"	"	0	
9				"	"	4			30.24	67	58	55		"	"	0	
10				"	"	4			30.24	68	58	55		"	"	0	
11				"	"	4			30.24	68	58	55		"	"	0	
Mid.				"	ENE	6			30.24	66	57	54		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, October 13th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Fair & pleasant; moderate & light breeze from E & E by S
W. Ry Mann Fuld
Ensign U. S. N.

4 to 8 A.M.
Cloudy. Light & gentle breeze from S E.
Guy Tuttle Johnson
Lieut. U. S. N.

8 A.M. to Midd.
Cloudy & raw. Gentle breeze from E by N to E & E. At 9.30 mustered at quarters & then had sail drill. G. W. Ballou (Ord) W. Kinsler (W.T.) & Jas. Clinton (2 cl T), J. F. Enright (C H) absent without leave. Carpenters gang at work in engine room. The Comdg. Officer adjudged the following punishments: Thos. Shields 15/4 hrs overtime - ped to 3rd class 1/2 month. W. J. Obr (Drum) Not cleaning bright work - 2 hours extra duty for one week. Jos. Pingree (Ldr) Acting drunk & disorderly - ped to 4th class 3 months $2.50 monthly money. R. Sherlock (Pot) Clothes in lucky bag - 2 hrs extra duty. F. Scroggs (Ldr) Gross carelessness; losing tarpaulin overboard - 4 hrs anchor watch. F. Wilson (Sea) Spitting on deck and smoking while at hammocks - 10 midnight watches on feet.

~~H. Friem~~
Lieut. U. S. N.

Mid to 4 P.M.
Overcast & cloudy, moderate breeze from E & E. Carpenters gang at work repairing in engine room.
W. Ry Mann Fuld.
Ensign U. S. N.

4 to 8 P.M.
Cloudy, raw weather. Moderate breeze from E & E. At 5.40 sent down royal & topgallant yards & unbent the sails.

~~H. Friem~~
Lieut. U. S. N.

8 P.M. to Mid.
Overcast & cloudy, moderate to stiff breeze from E & E.
W. Ry Mann Fuld.
Ensign U. S. N.

Examined and found to be correct.

W. K. Leutze
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al-Buenos Ayres, A.R

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ENE	5			30.23	66	57	54		oc	nimb	0	
2				"	"	4-5			30.24	66	58	55		a	"	0	
3				"	"	4-5			30.24	65	58	55		oc q	"	0	
4				"	NE	4-5			30.24	60	57	54		a	"	0	
5				"	"	4			30.24	64	57	54		bc	"	1	
6				"	"	4			30.24	63	57	54		oc	"	0	
7				"	"	4			30.23	61	57	54		"	cum str	0	
8				"	"	4			30.24	62	58	55		"	"	0	
9				"	"	4			30.25	62	59	55		"	"	0	
10				"	"	3			30.25	62	60	57		bc	"	2	
11				"	ENE	3			30.26	62	60	56		"	"	2	
Noon.				"	"	3			30.26	63	60	57		oc	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 358 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1840 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 121 " 704 "

P. M.												
1		E by N	East-	2	30.24	64	60	57	oc	cir cum	0	
2		"	"	2	30.23	64	61	57	"	"	0	
3		"	ESE	3	30.21	64	61	58	"	cir cum strat:	0	
4		"	SE by E	3	30.21	64	61	58	"	"	0	
5		"	"	3	30.20	64	61	58	"	"	0	
6		"	"	3	30.21	64	61	60	"	"	0	
7		"	"	3	30.21	69	62	60	"	"	0	
8		"	"	2	30.21	70	63	61	oc	nimb	0	
9		"	ENE	2	30.22	71	62	60	"	"	0	
10		"	"	2	30.22	71	62	60	"	"	0	
11		"	"	4	30.20	70	62	59	oc	"	0	
Mid.		"	"	4	30.20	69	61	59	bc	cir cum	4	

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday, October 14th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Overcast & squally. Moderate to fresh E by E breeze.

W. O. Hulme Jr.
Ensign U. S. N.

4 to 8 AM.
Cloudy. Moderate breeze from NE. Recd 108 3/4 lbs fresh meat, 108 3/4 lbs vegetables & 87 lbs soft bread for use of crew. Crossed royal yards at 7.45

[illegible]
Lieut U. S. N.

8 AM to Midd.
Generally overcast and cloudy. Moderate to gentle breeze from NE and ENE. Mustered at quarters and exercised the battalion. G. W. Ballou (Oiler), W. Kinsler (NF), J. Clinton (2d F) & F. Vogel (OS) absent without leave. Carpenters gang at work in the engine room. Oiled the copper on steam cutter and sailing launch.

W. Ray Brown Jr.
Ensign U. S. N.

Midd to 4 PM.
Overcast. Light to gentle breeze from the East to SE by E. Exercised awkward squad. Recd on board 5 lumber for Const. Dept. Paymaster W. W. Barry U. S. N. left ship on 4 days leave from the 16th. F. H. Vogel (OS) returned onboard 7/4 hrs overtime. Issued clothing & small stores.

W. O. Hulme Jr.
Ensign U. S. N.

4 to 8 PM.
Overcast & cloudy, gentle breeze from SE by E.

W. Ray Brown Jr.
Ensign U. S. N.

8 PM to Midd.
Overcast first part, clearing last part. Gentle to moderate ENE breeze.

W. O. Hulme Jr.
Ensign U. S. N.

Examined and found to be correct.

Lt. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Al-Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ENE	4			30.20	70	61	59		bc	cir cumc	4	
2				"	"	4			30.19	69	60	58		"	"	1	
3				"	"	5			30.18	69	60	58		"	"	1	
4				"	NE	5			30.15	69	60	58		oc	"	0	
5				"	"	4-5			30.14	67	60	58		o c q	cumb	0	
6				"	"	4-5			30.14	67	60	58		"	"	0	
7				"	"	4-6			30.14	65	60	58		"	"	0	
8				"	"	4			30.14	65	60	58		oc	"	0	
9				"	"	4			30.13	65	61	59		"	"	0	
10				"	ENE	2			30.13	74	62	60		"	"	0	
11				"	ESE	2			30.14	72	63	61		"	"	0	
Noon.				"	East	2			30.11	69	63	62		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 362 gallons.

Water Distilled during the preceding 24 hours, 184 "

Water remaining on hand fit for use at Noon, 1662 "

Coal consumed during the preceding 24 hours, tons 1350 lbs.

Coal remaining on hand at Noon, 120 " 15794 "

P. M.												
1		E by N	East	2	30.06	68	63	61	oc p	cumb	0	
2		"	"	2	30.04	74	63	61	"	"	0	
3		"	"	2	30.04	72	64	62	"	"	0	
4		"	"	2	30.01	70	64	62	"	"	0	
5		"	E by S	1	30.00	69	63	61	oc	cum cumb	0	
6		"	"	1	29.98	69	63	61	"	"	0	
7		"	"	1	29.98	70	64	63	o c d	"	0	
8		"	ENE	1	29.98	75	66	64	"	"	0	
9		"	"	2	29.98	70	66	65	oc p	"	0	
10		"	NNE	2	29.98	75	67	65	"	"	0	
11		"	NE	2	29.98	74	66	64	o c d	"	0	
Mid.		"	"	2	29.98	74	66	64	oc	cumb	0	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, October 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Cloudy. Moderate and fresh breeze from ENE and NE.

O'Meara
Ensign U.S.N.

4 to 8 AM
Overcast. Moderate to stiff breeze from NE.

W Ray Wynn Jr.
Ensign U.S.N.

8 AM to Merid.
Overcast. Light breeze from ENE to NE by East. At 9.30 mustered at quarters. Jno. Clinton (2d F) absent without leave. At 9.40 fire quarters; 1st stream in 1m 00sec, 2nd stream in 1m 27sec, 3rd stream in 1m 39sec. Then called all hands, abandon ship and mustered crew abreast of boats. Comdg. Officer awarded the following punishments: J. F. Enright (CH) 33 hrs overtime — ped to 4th class 2 months. F. H. Vogel (OS) 7¾ hrs overtime — ped to 2nd class 1 month. G. N. Bratton (Ord) and M. Kinsler (WT) each 38 hrs overtime — each ped. to 4th class 3 months and $2.50 monthly money. At 9 started distilling.

W Hulme Jr.
Ensign U.S.N.

Merid to 4 PM.
Overcast cloudy and rainy. Light breeze from East. J. Clinton (2d F) returned on board 52½ hrs overtime. Distilling.

O'Meara
Ensign U.S.N.

4 to 8 PM.
Overcast and drizzling. Light airs from E by S to ENE. Distilling.

W. Hulme Jr.
Ensign U.S.N.

8 PM to Mid.
Overcast & cloudy. Rainy most of watch. Light breeze from ENE to NW. Distilling.

O'Meara
Ensign U.S.N.

Examined and found to be correct.

C. K. Lemly
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	S W	2			29.96	71	65	63		o c d	nimb	0	
2				"	"	2			29.96	70	63	61		b c	"	2	
3				"	"	2			29.96	69	63	60		"	cir cum	8	
4				"	"	2-3			29.96	68	62	59		"	"	7	
5				"	"	3-4			29.96	67	59	57		o c g	cum nimb	0	
6				"	"	3			29.97	66	60	58		b c	"	1	
7				"	"	3			29.98	69	61	59		"	"	3	
8				"	S S W	2-4			29.98	65	61	59		"	cir cum	3	
9				"	S W	3			30.00	65	63	59		"	"	8	
10				"	S S W	3			30.00	65	64	60		"	"	9	
11				"	"	3			30.00	65	66	61		"	"	9	
Noon.				"	"	3			29.99	66	68	62		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 362 gallons.

Water during the preceding 24 hours, 1452 "

Water remaining on hand fit for use at Noon, 2752 "

Coal consumed during the preceding 24 hours, 1 tons 1440 lbs.

Coal remaining on hand at Noon, 119 " 1154 "

P. M.												
1	E by N	S S W	3	29.99	68	70	65	b c	cir cum	8	
2	"	"	3	29.98	68	71	65	"	"	7	
3	"	"	3	29.97	69	71	65	"	"	7	
4	"	"	3	29.97	70	71	64	"	"	7	
5	"	"	2	29.97	70	70	65	"	"	7	
6	"	S W	2	29.98	70	70	65	"	"	9	
7	"	W S W	1	29.98	72	70	65	b	none	10	
8	"	"	1	30.00	75	69	65	"	"	10	
9	"	"	1	30.00	76	69	64	"	"	10	
10	"	"	1	30.01	76	68	63	"	"	10	
11	"	"	1	30.01	75	67	63	"	"	10	
Mid.	"	"	1	30.01	74	66	62	b w	"	10	

under the command of Commander A. S. Snow., U. S. Navy,

Friday, October 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am.

Overcast with light drizzle first hour, clearing after that. Light to gentle breze from SW. Distilling.

Jno Lyle Holman
Lieut. U. S. N.

4 to 8 am.

Cloudy. Moderate to gentle SW breze. Executed morning orders. Recd for use of crew 1136 3/4 lbs fresh beef & vegetables & 91 lbs bread. Distilling

W Whitlow
Ensign U. S. N.

8 am to Merid.

Clear & pleasant. Gentle breezes from SW & SSW. At 9.30 sent to general quarters times as follows: 1st div 1m 52 sec; 2nd div 1m 52 sec. 3rd div 1m 27 sec; Nav div. 2m 01 sec. Powd div 2m 20 sec. Marine guard 1m 17 sec; Pay dept 0m 58 sec; Surg 1m 29 sec. The following punishments were adjudged by the Comdg. Officer Jno Clinton (2cl S) 52 1/2 hrs overtime - ped to 4th class 3 months $2.50 monthly money. Distilling. Tested magazine shell room & gun cotton locker flood cocks and found them to be in good order.

C. B. Keene
Ensign U. S. N.

Merid to 4 pm.

Clear & pleasant. Gentle breze from SSW. At 1 hoisted sail. Engaged in repairing bed timbers under condenser and in painting boats. Sent a liberty party ashore. Distilling.

Jno Lyle Holman
Lieut. U. S. N.

4 to 8 pm.

Clear & pleasant. Light airs and breezes from SSW to WSW Distilling.

C. B. Keene
Ensign U. S. N.

8 pm to Mid.

Clear & pleasant. Heavy dew. Bright moonlight. Light airs from WSW. Stopped distilling and hauled fires.

Jno Lyle Holman
Lieut. U. S. N.

Examined and found to be correct.

Le. K. Lenard
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Eby N	West-	1			30.00	74	65	61		bco	Horiz	10	
2				"	"	1			29.99	73	65	61		"	"	10	
3				"	"	1			29.99	72	64	60		"	"	10	
4				"	WNW	1			29.99	71	64	60		bcro	"	9	
5				"	"	1			30.00	69	63	59		bc	cir	9	
6				"	SE	1			30.00	69	63	59		bcm	"	9	
7				"	Calm	0			30.00	63	64	61		"	"	9	
8				"	East-	1			30.00	65	65	62		"	"	9	
9				"	"	1			30.00	67	67	65		bc	"	9	
10				"	NE	1			29.99	68	69	66		"	"	9	
11				"	NNE	1			29.99	69	69	66		"	cir cum	8	
Noon.				"	North-	1			29.99	71	71	66		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 372 gallons.

Water during the preceding 24 hours, 676 "

Water remaining on hand fit for use at Noon, 3656 "

Coal consumed during the preceding 24 hours, tons 1730 lbs.

Coal remaining on hand at Noon, 118 " 1664 "

P. M.														
1				Eby N	SE	1			29.99	71	71	67	bc	cir cum	6
2				"	"	1			29.99	71	71	66	"	"	5
3				"	"	1			29.97	71	71	66	"	"	2
4				"	"	1			29.97	70	71	66	"	"	2
5				"	ESE	2			29.97	70	69	60	"	cir cum nimb	2
6				"	"	2			29.97	71	67	65	"	"	3
7				"	"	3			29.97	74	67	64	"	"	6
8				"	"	3			29.97	74	66	64	"	cir cum strat:	4
9				"	"	3			29.97	74	66	64	"	"	3
10				"	"	2			29.97	76	66	64	bcro	"	4
11				"	East-	3			29.97	70	65	62	"	"	5
Mid.				"	"	3			29.96	74	65	62	"	"	7

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, October 17th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Clear, bright- moon & starlight: Light- dew. Very light- airs- from West-

[illegible]
Lieut- U. S. N.

4 to 8 AM.
Clear & pleasant: Calm and light airs from W, W, S & E and East- Executed morning orders-

[illegible]
Ensign U. S. N.

8 AM to Merid.
Clear & pleasant: Light- airs from East to South: Inspected bags of 1st Division. Aired bedding. Engaged in repairing bed tins, under condenser. At 12, Pomde. J. M. Forsyth returning aboard the Tallapoosa, hauled down Senior Officers pennant-

Geo. Luby Colman
Lieut- U. S. N.

Merid to 4 PM.
Partly- cloudy first part; overcast- but pleasant- latter part- Light- airs from S & E.

[illegible]
Lieut- U. S. N.

4 to 8 PM
Cloudy. Light to gentle- breeze from ESE.

Geo. Luby Colman
Lieut- U. S. N.

8 PM to Mid.
Partly- cloudy, pleasant- weather. Light- and gentle- breeze from ESE & East.

[illegible]
Lieut- U. S. N.

Examined and found to be correct.

[illegible]
Lieut-, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by North	East	2			29.98	73	65	63		bc	cir cum	4	
2				"	NE	1			29.97	73	65	63		"	"	2	
3				"	"	1			29.97	73	66	63		"	"	2	
4				"	NNE	2			29.96	72	66	63		oc	cum strs	0	
5				"	North	2			29.95	72	66	63		"	cum nimb	0	
6				"	NW	2			29.95	68	66	63		"	"	0	
7				"	SW	1			29.96	68	67	64		"	"	0	
8				"	SSW	2			29.96	67	66	63		oc d	"	0	
9				"	SSE	2			29.94	67	65	63		oc	nimb	0	
10				"	ESE	2			29.94	67	65	63		oc d	"	0	
11				"	SW	2			29.94	67	65	63		oc	"	0	
Noon.				"	SSW	3			29.95	66	63	61		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2656 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 118 " 1264 "

P. M.										
1		E by N	SSW	3	29.94	68	60	56	oc d	nimb	0
2		"	"	3	29.94	67	59	55	oc p	"	0
3		"	"	3	29.93	67	58	55	oc	"	0
4		"	"	3	29.93	67	59	56	"	"	0
5		"	SW	2	29.93	67	59	56	bc	ci cum	5
6		"	"	2	29.93	68	60	57	"	"	7
7		"	"	1	29.93	68	61	58	"	"	7
8		"	Calm	0	29.94	70	61	58	b	nimb	10
9		"	NW	1	29.96	70	61	58	b cw	"	9
10		"	"	1	29.96	69	61	58	"	"	9
11		"	"	2	29.95	66	60	57	"	"	9
Mid.		"	NNW	2	29.94	65	60	56	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, October 18th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Partly cloudy, light airs to light breezes from East to NE.
W. Ry Hamilton
Ensign U. S. N.

4 to 8 a.m.
Overcast. Light drizzle last hour. Light airs and breezes from North to NW first part shifting to SW & SSW. latter part. The Chilian Cruiser shifted her berth coming into Dique No 2. Rec'd for use of crew 115 lbs each fresh beef & vegetables and 92 lbs soft bread.
Geo. H. Coleman
Lieut. U. S. N.

8 a.m. to Mid
Cloudy & pass. Light drizzle at times. Light to gentle breezes ranging from ESE to SW. At 9.30 mustered at quarters.
[illegible]
Lieut U. S. N.

Mid to 4 p.m.
Overcast, then clearing, rainy part of watch. Gentle breezes from SSW.
W. Ry Hamilton
Ensign U. S. N.

4 to 8 p.m.
Cloudy first part, clear bright starlight latter part. Light breezes to light airs from SW.
[illegible]
Lieut. U. S. N.

8 p.m. to Mid.
Clear & fine, light airs to light breezes from NW.
W. Ry Hamilton
Ensign U. S. N.

Examined and found to be correct.

W. K. Hamilton
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NW	2			29.94	66	60	57		bc nv	cir cum	9	
2				"	WNW	2			29.93	62	59	55		"	"	9	
3				"	"	2			29.94	60	57	54		bc nv	none	10	
4				"	"	2			29.94	59	56	53		"	"	10	
5				"	"	3			29.95	56	55	52		bc	cum	9	
6				"	"	3			29.96	55	54	51		"	"	9	
7				"	West	4			29.99	55	54	51		"	cum nimb	1	
8				"	WSW	4			30.02	57	54	52		oc m	"	0	
9				"	"	3			30.04	58	55	52		oc	"	0	
10				"	"	3			30.06	58	56	54		"	"	0	
11				"	"	3			30.06	59	58	56		"	"	0	
Noon.				"	"	3			30.06	60	58	55		bc	cir cum	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 416 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2240 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 118 " 864 "

P. M.										
1		E by N	WSW	3	30.05	61	61	56	bc	cir cum 1
2		"	"	3	30.06	61	61	57	"	" 1
3		"	"	3	30.05	62	61	57	"	" 2
4		"	"	3	30.06	62	62	57	"	" 4
5		"	"	3	30.05	62	63	58	"	" 6
6		"	"	3	30.04	60	62	57	"	" 6
7		"	"	3	30.06	70	63	59	"	" 6
8		"	"	3	30.07	71	62	59	"	" 6
9		"	"	1	30.11	71	63	59	bm	none 10
10		"	WNW	1	30.13	71	63	60	"	" 10
11		"	"	1	30.14	71	63	59	"	" 10
Mid.		"	"	1	30.14	71	62	58	"	" 10

under the command of Commander A. S. Snow, U. S. Navy,

Monday, October 19th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and fill 4 gm.
Clear & cool; light breeze from NW to NNW.

M. Hulme Jr.
Ensign U. S. N.

4 to 8 am.
Clear first part; overcast latter part. Misty last hour. Gentle to moderate breeze from NNW to WSW. Rec'd 115 lbs fresh meat 115 lbs vegetables & 92 lbs soft bread for issue to crew. Carpenters gang at work in engine room on bed timber under coudenser.

F. F. Wilner
Lieut U. S. N.

8 am to Meid.
Overcast then clearing. Gentle breeze from WSW. Mustered at quarters. The Comdg. Officer awarded the following punishments: O. F. Menier (& do) Eight hours liberty -- rtd to 2nd class two weeks: Paymaster W. W. Barry U.S.N. returned from leave.

W. Ray Mason Field.
Ensign U. S. N.

Meid to 4 pm.
Cloudy. Gentle W.S.W breeze. Exercised anchor squad for one hour. Painting 2nd cutter & whale boat: Fitting forward half of bed timber for engines:

M. Hulme Jr.
Ensign U. S. N.

4 to 8 pm.
Fair & pleasant; Gentle breeze from WSW.

W. Ray Mason Field.
Ensign U. S. N.

8 pm to Mid.
Clear & pleasant: Light airs from NW.

M. Hulme Jr.
Ensign U. S. N.

Examined and found to be correct.

Le. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

All- Buenos Ayres - A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NW	2			30.14	69	61	57		bw	none	10	
2				"	"	2			30.14	68	60	56		"	"	10	
3				"	"	2			30.14	67	59	55		"	"	10	
4				"	"	2			30.14	67	59	55		"	"	10	
5				"	"	2			30.14	66	58	54		be	cum	9	
6				"	"	2			30.15	64	59	55		bcm	"	9	
7				"	"	2			30.15	66	61	57		bm	none	10	
8				"	"	2			30.15	66	62	58		"	"	10	
9				"	NNW	1			30.18	68	66	61		b	"	10	
10				"	"	2			30.20	64	67	62		"	"	10	
11				"	"	2			30.19	66	68	62		be	cir cum	9	
Noon.				"	"	2			30.19	66	68	63		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: { Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 374 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1866 "

Coal consumed during the preceding 24 hours, tons 700 lbs.

Coal remaining on hand at Noon, 118 " 464 "

P. M.									
1	E by N	NE	1	30.18	66	70	64	b	none	10
2	"	"	1	30.18	67	70	63	"	"	10
3	"	"	1	30.16	67	70	63	"	"	10
4	"	"	1	30.16	67	69	63	"	"	10
5	"	"	2	30.14	68	68	62	be	cir cum	9
6	"	"	2	30.14	67	67	61	"	"	8
7	"	ENE	2	30.13	71	66	61	"	"	8
8	"	"	2	30.14	74	68	61	"	"	9
9	"	"	2	30.16	74	66	62	"	"	9
10	"	"	2	30.16	74	66	61	"	"	9
11	"	NE	2	30.14	73	60	60	"	"	9
Mid.	"	"	2	30.14	72	64	60	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, October 20th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 a.m.
Clear & pleasant. Heavy dew. Light breze from NW.

O. M. Stone
Ensign U. S. N.

4 to 8 a.m.
Clear & fine, light breze from NW.

W. Ry Train Jr.
Ensign U. S. N.

8 am to Midd.
Clear & warm. Light airs & Light NW breze. At 9.30 Mustered at quarters. At 9.35 fire quarters 1st stream 1m 02 sec. 2nd stream 1m 02 sec. 3rd stream 1m 5 sec. 4th stream 1m 10 sec. At 10.00 forced suit. Fitting foir half of bed timber for engines. Painting gig. Wm Fellowes (Bayman) was sent to British hospital.

W. O. Hulme
Ensign U. S. N.

Midd to 4 p.m.
Clear & pleasant. Light airs from NE. At 1.00 furled sail. Sent liberty party ashore. Fitting foir half of bed timber.

O. M. Stone
Ensign U. S. N.

4 to 8 p.m.
Clear & pleasant. Light breze from NE to ENE. Fitting foir half of engine bed timbers.

W. O. Hulme
Ensign U. S. N.

8 p.m to Midd.
Clear & pleasant. Light breze from ENE & NE.

O. M. Stone
Ensign U. S. N.

Examined and found to be correct.

Le. K. Lamson
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NNE	3			30.13	72	64	61		bc	cir strs	7	
2				"	"	3			30.12	72	64	61		"	"	5	
3				"	"	3			30.08	71	64	60		"	"	3	
4				"	North	4			30.08	71	64	60		"	"	6	
5				"	"	4			30.09	68	63	60		"	"	7	
6				"	"	4			30.08	70	62	59		"	"	8	
7				"	"	4			30.08	67	62	59		"	"	9	
8				"	"	3			30.08	66	63	60		"	"	9	
9				"	"	3			30.07	66	66	61		"	"	9	
10				"	"	3			30.05	67	67	62		"	"	9	
11				"	"	3			30.03	68	68	63		"	Cus. Cum Str	8	
Noon.				"	"	3			30.01	68	69	64		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 522 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1344 "

Coal consumed during the preceding 24 hours, tons ~~450~~ lbs.

Coal remaining on hand at Noon, 118 " 64 "

P. M.										
1	E by N.	North	2	30.01	70	70	65	bc	Cir am str	7
2	"	"	2	29.98	69	71	66	"	"	7
3	"	"	2	29.94	70	72	66	"	"	7
4	"	"	2	29.92	70	72	66	"	"	7
5	"	E by E	1	29.91	70	71	66	"	"	9
6	"	"	1	29.90	70	69	66	"	"	9
7	"	"	1	29.90	74	69	65	"	"	9
8	"	"	1	29.91	76	69	65	"	"	6
9	"	"	2	29.92	76	69	65	bcl.	Cirrus	6
10	"	NNE	2	29.93	76	69	65	"	"	7
11	"	"	3	29.91	73	68	64	"	"	7
Mid.	"	North	3	29.91	72	68	67	"	"	7

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday Oct. 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.
Generally fair gentle to moderate breze from NNE to North.

Geo F Holman
Lieut U.S.N.

4 to 8 AM.
Clear. Moderate to gentle breze from the North. Executed morning orders. At 7.45 crossed top gallant & royal yards. Rec'd for use of crew 113 3/4 lbs. each fresh beef & vegetables. & 91 lbs bread

W C Hulme Jr.
Ensign U.S.N.

8 AM. to Merid.
Clear and pleasant. Gentle breezes from North. At 9.30 mustered at quarters and drilled divisions, as per routine. The Carpenters gang at work fitting forward half of bed beam for after Engine

D M Stone
Ensign U S N

Merid to 4 P.M.
Clear and pleasant. Light breze from North. Engaged in fitting forward half of bed beam under condenser. Exercised the awkward squad for one hour. Sent a liberty party ashore

Geo F Holman
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant. Light airs from E.N.E.

D M Stone
Ensign U S N

8 P.M to Midnight.
Clear and pleasant. Light to gentle breze from N.N.E to North. Lightning in the S.W. Started fires for distilling and turned the water forward at 11.45

Geo F Holman
Lieut U S N.

Examined and found to be correct.

Le. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N.	North	3			29.87	72	66	62		bc	cir cum	5	
2				"	"	3			29.87	71	66	62		"	"	6	
3				"	"	3			29.87	70	66	62		"	"	7	
4				"	"	2			29.87	70	66	62		"	"	4	
5				"	"	3			29.87	68	66	62		"	cir cum str	1	
6				"	"	3			29.86	67	66	62		oc	"	0	
7				"	"	3			29.88	66	64	61		"	str nim	6	
8				"	"	2			29.89	67	65	62		oc r	mist	0	
9				"	N. by W.	3-4			29.97	68	65	62		oc g r lt	"	0	
10				"	South	2			29.94	70	63	61		oc r a lt	"	0	
11				"	S by E.	3			29.93	69	63	61		"	"	0	
Noon.				"	"	3-5			29.94	71	63	61		o c g r lt	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 480 gallons.

Water [illegible] during the preceding 24 hours, 720 "

Water remaining on hand fit for use at Noon, 1584 "

Coal consumed during the preceding 24 hours, 1 tons 60 lbs.

Coal remaining on hand at Noon, 117 " 4 "

P. M.										
1	E by N	SE	3	29.95	74	63	60	bc	mist	3
2	"	E SE.	3	29.92	74	62	59	"	cirrus	4
3	"	"	2	29.92	70	63	60	"	"	3
4	"	S S E.	1	29.94	70	64	60	"	"	3
5	"	SW	2	29.94	69	64	60	"	"	4
6	"	"	1	29.96	69	64	61	"	"	7
7	"	Calm	0	29.98	75	65	62	"	"	9
8	"	SW	1	30.00	76	65	62	bcl	"	9
9	"	"	1	30.02	77	65	62	"	"	9
10	"	"	1	30.04	77	65	62	"	"	9
11	"	"	2	30.05	76	63	60	"	"	9
Mid.	"	"	2	30.07	76	62	59	b	rain	10

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, October 22nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.

Partly cloudy. pleasant weather. Moon light. Gentle to light breze from North. Distilling

F. F. Friend
Lieut. U.S.N.

4 to 8 A.M.

Cloudy, raining last hour. Gentle and light breezes from North. Executed morning orders.

D. Mastrone
Ensign U.S.N.

8 A.M. to Meridian.

Overcast and raining, with thunder and lightning. Light to gentle breze shifting at 8.30 from North to the S.W. with moderate squalls and then backing to S.E. a stiff squall at last hour. At work on bad timber under condenser. Distilling

Geo. W. Holman
Lieut U.S.N.

Merd to 4 P.M.

Generally cloudy but clearing. Gentle breze to light airs from S.E. to S.S.E. At work on bad timber. Distilling.

F. F. Friend
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasant. Light breze from N.E. first part. Calm third hour. Light airs from S.W. last hour. Distilling

Geo. W. Holman
Lieut U.S.N.

8 P.M. to mid.

Clear and pleasant. Light airs to light breze from S.W. Distilling

F. F. Friend
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	S.S.W.	2			30.10	75	60	58		b	nims	10	
2				"	"	2			30.10	73	59	57		bs	"	10	
3				"	"	2			30.10	72	59	56		"	"	10	
4				"	"	2			30.10	71	57	56		"	"	10	
5				"	"	3			30.13	69	56	54		b	"	10	
6				"	"	3			30.14	66	55	53		bs	"	10	
7				"	"	3			30.14	61	54	52		"	"	10	
8				"	"	3			30.16	62	56	52		"	"	10	
9				"	S.S.E.	3			30.14	63	59	54		"	"	10	
10				"	"	3			30.14	63	61	54		bc	cirrus	9	
11				"	"	3			30.14	64	62	54		"	"	7	
Noon.				"	"	3			30.14	64	62	55		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 520 gallons.

Water Distilled during the preceding 24 hours, 1464 "

Water remaining on hand fit for use at Noon, 2528 "

Coal consumed during the preceding 24 hours, 1 tons 1360 lbs.

Coal remaining on hand at Noon, 115 " 884 "

P. M.												
1	E by N.	SE	2	30.12	66	63	55	bc	cirrus	7		
2	"	S.S.E.	2	30.12	66	63	55	"	"	7		
3	"	E.N.E.	2	30.12	66	64	57	"	"	7		
4	"	"	1	30.12	66	64	57	"	"	5		
5	"	N.E.	2	30.12	67	63	57	"	"	4		
6	"	"	2	30.14	67	63	57	"	"	3		
7	"	"	2	30.14	72	63	57	"	"	3		
8	"	"	2	30.15	73	63	56	"	"	4		
9	"	"	2	30.16	74	63	56	"	"	6		
10	"	"	1	30.16	74	62	56	"	"	8		
11	"	"	1	30.16	72	61	54	"	"	8		
Mid.	"	"	2	30.16	72	61	53	"	"	6		

under the command of Commander A. S. Snow, U. S. Navy,

Friday, October 23rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 am.

Clear and fine, light breze from S.S.W.

W. Ry Mann Jr Fld.
Ensign U.S.N.

4 to 8 AM

Clear and pleasant, gentle breze from S.S.W. Received on board for use of crew 1134 lbs fresh beef and vegtables and 91 lbs soft bread

Geo. F. W. Holman
Lieut. U.S.N.

8 AM to Merid

Clear and pleasant weather. Gentle breze from S.S.E. at 9.30 went to general quarters 1st div ready in 1 m 40 sec; 2nd in 1 m 40 sec; 3rd 1 m 20 sec; Rear, 2 m 00 sec; Powder, 1 m 50 sec; Engineers, 1 m 25 sec; Pay, 0 m 45 sec; Surg, 1 m 00 sec; Marines guard, 0 m 51 sec; Tested magazine flood cocks and found them in good working order. Carpenters gang at work on bed timber under condenser. Loosed sail to dry

W. A. Brien
Lieut. U.S.N.

Merid to 4 PM

Clear and pleasant, light breze from E.S.E. to S.E. Painted Whale boat, ship & Gig. Furled sail. Carpenters gang at work in Engineers room at bed timber under condenser

W. Ry Mann Jr Fld.
Ensign U.S.N.

4 to 8 P.M.

Clear, pleasant weather. Light breze from S.E.

W. A. Brien
Lieut. U.S.N.

8 P.M. to Mid

Clear and pleasant. Light airs to light breze from S.E.

W. Ry Mann Jr Fld.
Ensign U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ESE	3			30.14	72	59	54		bc	Cirrostr	8	
2				"	"	1			30.14	71	60	55		"	"	1	
3				"	"	1			30.14	71	60	55		"	"	2	
4				"	"	2			30.14	71	60	54		"	"	2	
5				"	North	2			30.14	70	61	55		"	"	1	
6				"	"	2			30.14	69	61	55		Oc	Cirrostr	6	
7				"	NNW.	3			30.16	64	60	55		"	"	0	
8				"	"	3			30.16	65	59	55		bc	"	1	
9				"	North	3			30.15	66	63	56		"	Cir Cum	4	
10				"	"	2			30.17	67	63	57		"	"	2	
11				"	"	2			30.17	66	64	59		"	"	2	
Noon.				"	"	2			30.16	66	65	59		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 674 gallons.

Water Distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at Noon, 2854 "

Coal consumed during the preceding 24 hours, tons 2200 lbs.

Coal remaining on hand at Noon, 114 " 924 "

P. M.												
1	E by N	S.E	1	30.15	67	65	59	bc	Cir Cum	4	
2	"	"	1	30.15	67	65	59	"	"	1	
3	"	"	1	30.11	67	65	60	"	"	3	
4	"	E.S.E.	1	30.10	67	66	60	"	"	2	
5	"	"	1	30.09	68	66	60	"	"	5	
6	"	"	1	30.09	69	67	59	"	"	5	
7	"	Calm	0	30.09	71	66	60	"	"	5	
8	"	ESE	1	30.09	73	65	59	"	"	8	
9	"	NE	2	30.10	73	65	60	bcl	"	9	
10	"	"	2	30.10	73	65	60	"	"	9	
11	"	"	2	30.10	73	64	60	"	"	9	
Mid.	"	"	2	30.10	72	64	60	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, October 24th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Cloudy. Gentle breeze to light airs from E to E
At 2.50 stopped distiller

W. O. Hulme
Ensign U.S.N.

4 to 8 AM.
Generally cloudy but pleasant. Light to gentle breeze from
North to N. N. W.

[illegible]
Lieut U.S.N.

8 AM to Mrid
Partly cloudy. Gentle to light breeze from North

W. Roy Mason Field
Ensign U.S.N.

Mrid to 4 PM
Cloudy. Light airs from N.E. to E.N.E. Received from U.S.S.
Tallapoosa 1 boat Compass. 5000 Rifle Cartridges 2000 pistol Cartridges and
3 Exercise Torpedos.

W. O. Hulme
Ensign U.S.N.

4 to 8 PM.
Partly cloudy Light airs from E.N.E. and Calm

W. Roy Mason Field
Ensign U.S.N.

8 PM to Mid
Clear and pleasant. Light N.E. breeze

W. O. Hulme
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemmon
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

U. Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NE	1			30.09	72	65	61		bc	cir cum	5	
2				"	North	1			30.09	71	64	60		"	"	4	
3				"	"	2			30.09	70	64	60		bcp	"	3	
4				"	"	2			30.09	69	64	60		bc	"	5	
5				"	N. W.	2			30.09	68	63	58		"	Cir cum	7	
6				"	"	1			30.09	66	62	57		bcm	"	8	
7				"	"	1			30.10	64	64	60		"	Cir Str	8	
8				"	W by W.	1			30.10	65	66	61		"	Air	9	
9				"	SW	1			30.11	67	67	62		bm	cum 2	10	
10				"	"	1			30.12	67	67	61		"	"	10	
11				"	"	1			30.12	68	68	61		"	"	10	
Noon.				"	WSW	2			30.11	67	70	62		bc	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 398 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 24056 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 114 " 0324 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				E by N	WSW	2			30.11	69	70	62		bc	cir cum	8	
2				"	"	2			30.11	69	71	62		"	"	6	
3				"	NE	2			30.11	69	71	64		"	cir cum nimb	9	
4				"	SW	3			30.11	70	71	63		"	cir cum obscr	4	
5				"	SSE	3			30.12	70	69	62		"	"	8	
6				"	ESE	4			30.13	68	64	60		"	"	1	
7				"	"	4			30.16	70	62	57		"	"	1	
8				"	"	4			30.18	71	62	58		ac	nimb	0	
9				"	"	4			30.20	72	61	58		bc	cum obs.	4	
10				"	"	4			30.22	72	62	58		"	"	6	
11				"	SE	4			30.24	71	61	57		"	"	6	
Mid.				"	"	4			30.25	69	61	56		"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday, October 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and till 4 AM.
Cloudy. Light airs and breezes from N.E. and North. Heavy rain squall third hour.
D. McVicar
Ensign U.S.N.

4 to 8 AM
Clear and fine, Light airs from N.E. Received on board 91 lbs Bread 113¾ lbs Beef and Vegetables
W. Ray Martin Yeo.
Ensign U.S.N.

8 AM to Mid.
Clear & pleasant. Light airs to light breeze from S.W. to W.S.W. At 9.30 divisional inspection. At 10. Ladies & Officers inspected ship & crew at quarters. Absentees:- A.H. Walden (S. Asp ick) W. O. Pugh (Cook) A. Vallberg (OS). A. Vallberg (OS) returned on board 2¾ hrs. overtime.
W.O. Hulme Jr.
Ensign U.S.N.

Meris to 4 pm.
Cloudy. Light and gentle breezes from W.S.W. S.W. and N.E. Sent liberty party ashore.
D. McVicar
Ensign U.S.N.

4 to 8 pm
Cloudy. Gentle to moderate breeze from S.S.E. E.S.E. blowing in squalls.
W.O. Hulme Jr.
Ensign U.S.N.

8 pm to Mid.
Partialy cloudy, clearing last hour. Moderate breezes from E.S.E and S.E.
D. McVicar
Ensign U.S.N.

Examined and found to be correct.

L. K. Lamb
Lieut.- Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	SE	4			30.28	68	57	56		bc	cirrus nimb	8	
2				"	"	4			30.28	66	57	54		"	"	9	
3				"	"	4			30.28	65	57	54		"	"	6	
4				"	"	4			30.28	66	56	53		"	"	3	
5				"	"	3			30.28	63	55	54		"	cir cum	1	
6				"	SSE	3			30.26	60	55	53		"	"	1	
7				"	"	3			30.28	59	55	52		bc m	cir	8	
8				"	"	3			30.29	60	57	54		"	"	9	
9				"	"	2			30.30	61	61	57		bc	cir cum	8	
10				"	ESE	1			30.30	62	62	57		"	"	8	
11				"	ENE	2			30.30	64	62	58		"	"	6	
Noon.				"	"	2			30.29	64	63	57		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 544 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1912 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 114 " 124 "

P. M.									
1		E by N	East	2	30.29	64	60 58	bc	cum 6
2		"	"	1	30.28	64	64 58	"	" 6
3		"	ESE	2	30.26	65	64 58	"	" 8
4		"	"	1	30.26	65	63 58	b	Hour 10
5		"	"	2	30.24	60	62 57	bc	cir cum 9
6		"	East	2	30.24	66	61 57	"	" 9
7		"	ESE	2	30.24	70	61 57	"	" 9
8		"	"	2	30.26	71	61 57	"	" 9
9		"	"	2	30.28	71	61 57	"	" 9
10		"	"	2	30.26	70	60 56	"	" 7
11		"	"	1	30.26	71	60 55	"	" 8
Mid.		"	"	1	30.28	70	59 55	"	" 6

under the command of Commander A. S. Snow, U. S. Navy,

Monday, Oct 26th 18 91.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am.
Clear & pleasant: Moderate breeze from SE.
4 to 8 am Cloudy 1st part; clear 2nd part: Gentle breeze from SE & ESE. Executed morning orders: At 7.45 hoisted

Surgn Ely Johnson
Lieut: U.S.N.

8 am to Meridn.

The Comdg. Officer adjudged the following punishments: F. L. Flaherty (Boy) 1 24 hrs overtime, 3rd class 2 weeks: E. Horvath (Sergt:) 7 hrs: 10 Min overtime, — 2nd class 1 month. E. M. Carver (S. Bugler), E. Slen (OS), J. McGregor (C & C) each 15 min late 1 week quarantine. H. H. Walden (S Appd) 24 hrs overtime — 4th class; 2 months: R. Limberg (S. Cook) and W. J. Mendell (S Appd) 2nd class; 2 weeks — 1 hour overtime.

crossed royal yards & beef & vegetables & received ship 24 hrs overtime

M. Thelps Jr
Ensign U.S.N.

SSE, ESE and SE & A. Collins (Pvt absent without S. Asp'd) returned on board as per routine. Completed department:

Ensign U.S.N.

and breeze from East-

Surgn Ely Johnson
Lieut: U.S.N.

ESE and light airs and bent light sails

Ensign U.S.N.

8 pm to Midn.
Clear and pleasant: Light airs and breeze from ESE.

Surgn Ely Johnson
Lieut: U.S.N.

Examined and found to be correct.

L. K. Lemmon
Lieut: - Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Monday, Oct. 26th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 am.
Clear & pleasant: Moderate breeze from SE.
Geo. Fitzpatrick
Asst. U. S. N.

4 to 8 am
Cloudy 1st part; clear 2nd part. Gentle breeze from SE to SSE. Executed morning orders: At 7.05 crossed royal yards. Rec'd for mess at 6 pm 111 lbs. each of fresh beef & vegetables & 89 lbs. bread. T. H. Walden (S. Appl'd) returned to ship 24 hrs. overtime.
M. O'Brien
Ensign U. S. N.

8 am to Meridian.
Fair light airs and breezes from SSE, ESE and E by E. At 9.30 mustered at quarters & found J. A. Collins (Painter) W. O. Pugh (Cox) & J. McCord (Pilot) absent without leave. R. Limberg (Cook) & T. J. Mendel (S. Appl'd) returned on board 1 hour overtime. Exercised divs: at fire quarters. Continued work on beams in engineers department.
Q. Mexion
Ensign U. S. N.

Meridian to 4 pm.
Clear and pleasant. Light airs and breezes from East to ESE. Sent a liberty party ashore.
Geo. Fitzpatrick
Asst. U. S. N.

4 to 8 pm.
Clear and pleasant. Light breezes from ESE and East. At 6.00 sent down light yards and bent light sails.
Q. Mexion
Ensign U. S. N.

8 pm to Midnight.
Clear and pleasant: Light airs and breezes from ESE.
Geo. Fitzpatrick
Asst. U. S. N.

Examined and found to be correct.

L. K. Lemist
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres. A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ENE	1			30.26	70	59	55		bc	cir cum	9	
2				"	"	1			30.25	69	58	54		"	"	9	
3				"	"	1			30.26	69	58	54		"	"	6	
4				"	"	1			30.24	68	59	54		bc	none	10	
5				"	NNE	2			30.24	67	57	54		bc	cir	9	
6				"	"	2			30.24	64	58	54		"	"	9	
7				"	"	2			30.24	62	58	54		bcm	"	9	
8				"	"	2			30.26	63	60	55		"	"	9	
9				"	"	2			30.25	63	62	57		b	none	10	
10				"	North-	2			30.26	64	63	58		bcm	cir cum	9	
11				"	"	2			30.24	65	64	59		"	"	9	
Noon.				"	"	2			30.22	65	65	60		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 492 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1420 "

Coal consumed during the preceding 24 hours, tons ~~400~~ lbs.

Coal remaining on hand at Noon, 113 " 1964 "

P. M.												
1		E by N	NE	1	30.20	66	67	61	bc	sh-	6	
2		"	"	1	30.18	67	68	61	"	"	8	
3		"	"	2	30.14	68	68	62	"	"	8	
4		"	"	2	30.14	69	69	63	"	"	8	
5		"	NNE	1	30.14	69	69	63	"	"	9	
6		"	"	1	30.14	69	69	64	"	"	9	
7		"	ENE	1	30.11	74	68	63	"	"	9	
8		"	"	1	30.11	73	67	63	b	none	10	
9		"	NNE	3	30.12	73	68	62	bc	cir cum	9	
10		"	North-	3	30.11	73	68	62	"	"	9	
11		"	"	4	30.11	72	67	61	"	"	9	
Mid.		"	"	4	30.11	71	67	61	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, October 27th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 AM.

Clear, starlight, moon last hour. Very light airs from E'ly & E.

~~Thos. Irving~~
Lieut. U. S. N.

4 to 8 AM.

Clear and pleasant. Light breeze from N'ly & E. Exercised morning orders. Sent up topgallant & royal yards at 7.40

~~E. Mercein~~
Ensign U. S. N.

8 AM to Merid.

Clear and pleasant. Light breeze from North. At 9.30 mustered at quarters, absentees: W. O. Pugh (Cox), J. A. Collins (Painter) and J. McComb (PM) Exercised at sail drill. Engaged in reconnecting engine. Rec'd on board in Equipment, transferred from Tallapoosa one anchor buoy and two hand grapnels. Rec'd in Engineers Dep't stores as follows: 18 elbows 3/8 x 3/4" 6 unions; 6 files, 6 gauge glasses 5/8 x 18", 20 octagon steel 3/4", 10 lb sponge, 3 sheets blotting paper, 24 coir brooms; 25 lb potash and 1 wood bit 7/8". Started fires for distilling.

~~Thos.~~ E. W. Coleman
Lieut. U. S. N.

Merid to 4 PM

Clear & pleasant. Light airs to light breeze from N'ly & Com. Mencd distilling. Carpenters gang engaged refitting new packing pieces under condenser. Comdg. Officer of French Transport "Pourvoyeur" paid an official visit.

~~Thos. Irving~~
Lieut. U. S. N.

4 to 8 PM.

Clear and pleasant. Light airs from N'ly & E'ly. Distilling.

~~Thos.~~ E. W. Coleman
Lieut. U. S. N.

8 PM to Mid.

Clear and pleasant. Gentle to moderate breeze from N'ly to North. Distilling. J. A. Collins (Painter) & J. McComb (Pot.) returned on board 3 & 3 1/2 hours respectively, over time.

~~Wm. Irving~~
Lieut. U. S. N.

Examined and found to be correct.

A. K. Lemist
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	North-	5			30.11	70	66	61		bc	cir cum	9	
2				"	"	5			30.11	68	65	60		"	"	9	
3				"	"	6			30.10	68	64	60		"	"	9	
4				"	"	6			30.08	68	64	59		"	"	8	
5				"	NNW	5			30.06	67	63	59		"	cir cumulus	3	
6				"	"	5			30.06	65	63	59		"	"	3	
7				"	"	5			30.06	65	63	58		"	"	3	
8				"	"	4-5			30.05	66	64	59		"	"	4	
9				"	"	4			30.05	69	66	60		"	"	7	
10				"	"	4			30.04	69	68	61		"	"	7	
11				"	"	4			30.02	70	70	63		"	"	5	
Noon.				"	"	4			30.02	71	71	64		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 482 gallons.

Water during the preceding 24 hours, 1426 "

Water remaining on hand fit for use at Noon, 2364 "

Coal consumed during the preceding 24 hours, 1 tons 1060 lbs.

Coal remaining on hand at Noon, 112 " 904 "

P. M.										
1	E by N	North-	4	30.00	71	72	65	bc	cir cumulus	4
2	"	"	4	29.98	72	73	65	"	"	4
3	"	NNE	3	29.96	72	72	66	"	cir cumulus nimb	3
4	"	"	3	29.95	73	73	67	"	"	3
5	"	"	2	29.93	73	73	67	"	"	5
6	"	ENE	1	29.93	73	73	68	"	"	5
7	"	"	1	29.94	78	72	68	"	"	6
8	"	"	1	29.94	78	72	68	"	"	6
9	"	NE	2	29.92	79	71	66	"	"	9
10	"	"	2	29.93	78	71	66	"	"	9
11	"	NNE	1	29.93	78	71	66	"	"	9
Mid.	"	North-	1	29.95	78	71	66	bc	None	10

under the command of Commander A. S. Snow, U. S. Navy,.
Wednesday, October 21st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 a.m.
Clear & fine, stiff & fresh breeze from North: Distilling.
W. Ry Mann Asst.
Ensign U. S. N.

4 to 8 a.m.
Cloudy. Stiff & moderate breeze from NNW. Read for use of crew 110 lbs each of fresh beef & vegetables and 88 lbs soft bread. Distilling.
Jno A. W. Johnson
Asst Surg U. S. N.

8 a.m. to Meid.
Partly cloudy pleasant weather. Moderate breeze from NNW. At 9.30 mustered at quarters & had battalion drill. W. C. Pugh (Cox) J. Falvey (C H) absent without leave. E. M. Carver (S. Bugler) transferred to Navy Yard, Brooklyn NY for discharge, accounts etc to U. S. R. S. "Minnesota". Carpenters at work in engine room. Distilling. The Comdg. Officer adjudged the following punishments: R. Shreback (PM) 20 min overtime — 1 week quarantine. D. Parker (Cox) Petty thieving — 6 midnight watches in rest. J. McComb (PM) 39½ hrs overtime & ped to 4th class 3 months ¼ M money. J. A. Collins (Painter) 38 hrs overtime — ped to 4th class; 3 months ¼ M money. W. Behn (PM) Clothes dirty at inspection — 4 hrs extra duty.
A. W. Grimes
Asst Surg U. S. N.

Meid to 4 p.m.
Clear & fine weather moderate to gentle breezes from NNE. Carpenters gang at work in engine room. Distilling.
W. Ry Mann Asst.
Ensign U. S. N.

4 to 8 p.m.
Partly cloudy pleasant weather. Light breeze to light airs from NNE to ENE. Distilling. Sent down top gallant & royal yards & unbent the sails.
A. W. Grimes
Asst Surg U. S. N.

8 p.m. to Mid.
Clear & fine, light airs from NE & NNE. Lieut J. T. Newton U.S.N. returned from leave.
W. Ry Mann Asst.
Ensign U. S. N.

Examined and found to be correct.

G. K. Gilmore
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NNE	2			29.95	76	70	66		bc	cir cum nimb	8	
2				"	"	2			29.95	76	70	65		"	"	8	
3				"	North	2			29.95	75	69	66		"	"	9	
4				"	"	2			29.95	75	69	65		bc 20	"	8	
5				"	NNW	2			29.95	74	69	66		bc	cir cum	1	
6				"	"	2			29.96	74	70	66		"	"	7	
7				"	"	2			29.96	71	70	66		"	"	4	
8				"	"	1			29.96	71	71	67		"	"	5	
9				"	"	1			29.98	70	72	67		"	"	6	
10				"	North	1			29.98	72	73	69		"	"	5	
11				"	"	1			29.98	72	74	70		"	"	7	
Noon.				"	"	1			29.97	72	74	70		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 515 gallons.

Water Distilled during the preceding 24 hours, 1065 "

Water remaining on hand fit for use at Noon, 2912 "

Coal consumed during the preceding 24 hours, tons 2100 lbs.

Coal remaining on hand at Noon, 111 " 1044 "

P. M.										
1		E by N	NE	1	29.97	76	76	70	bc	cir sh	9
2		"	"	1	29.96	75	76	70	"	"	9
3		"	ENE	1	29.96	75	76	70	"	"	5
4		"	"	1	29.96	76	76	70	"	"	5
5		"	"	2	29.96	76	75	70	"	"	4
6		"	ESE	2	29.96	76	75	70	"	cir cum nimb	3
7		"	SE	3	29.97	80	74	71	"	"	2
8		"	"	5	30.00	79	74	69	ocl	nimb	0
9		"	SSW	9	30.14	73	68	60	ocl	"	0
10		"	South	7	30.14	74	66	64	ocl	"	0
11		"	"	4	30.10	72	66	63	ocl	"	0
Mid.		"	SE	4	30.08	72	64	62	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Thursday Oct. 29th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & pleasant, barometer steady. Gentle breeze from NW & North.

J. W. Hunter
Lieut. U. S. N.

4 to 8 a.m.
Partly cloudy, pleasant weather. Light breeze to light airs from NW & W. Loosed top gallant yards at 7.00

~~J. Brim~~
Lieut. U. S. N.

8 am to Merid
Clear & fine weather, light airs from North and NW & W. Masters at quarters W. O. Pugh (Lox) and J. Selvey (QM) absent without leave. Called away all boats armed and equipped for distant service. St. Launch 2m 26sec St. Launch 3m 33sec, 1st Cutter 2m 47sec, 2nd cutter 4m 26sec, W. Boat 4m 09s Gig 3m 49sec. Transferred to British Hospital on shore Thos. Kinhadii (OS). The Condg Officer called officially on French Dispatch Boat "Pourvoyeur". The carpenters gang at work on flooring of engine room.

W. Ry Mason Field.
Ensign U. S. N.

Merid to 4 p.m.
Bright and pleasant. Barometer steady. Light airs from NE and ENE. Received in Engr. Dept. 30 lb. composition (assorted), 50 lb. flat steel (assorted) 1/2 iron plugs

W. J. Hunter
Lieut. U. S. N.

4 to 8 p.m.
Fair & pleasant, gentle to stiff breeze from ENE to SE. The shifting of the wind accompanied by lightning

W. Ry Mason Field.
Ensign U. S. N.

8 p.m to Mid.
At fire overcast with brilliant display of lightning to the SE fresh breeze from SE. At 8.30 after fire of Commodore Simpson broke blowing with force of from moderate to strong gale till 10 raining hard. Both spanker booms carried away and the side of sailing launch ~~backing~~ tailing against Tallapoosa paddle box, the inboard arm of crane were bent and the copper of boat scared. Lower half port No 2 4" gun goes damaged. At 8. J. A. Callan (S. Apprd) left the ship without permission.

J. W. Hunter
Lieut. U. S. N.

Examined and found to be correct.

G. K. Lemist
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	E ME	4			30.01	71	64	62		bc	cir cum	6	
2				"	"	3			30.00	72	65	62		"	"	3	
3				"	"	2			30.00	72	65	62		"	"	8	
4				"	SSW	4			30.03	70	64	61		"	"	7	
5				"	"	4			30.06	69	63	61		"	nimb strat-	7	
6				"	"	4			30.08	65	64	62		bc m	"	7	
7				"	"	4			30.10	64	63	61		oc m	nimb	0	
8				"	South-	4			30.11	65	62	61		"	"	0	
9				"	SE	3			30.11	66	63	61		"	"	0	
10				"	"	3			30.10	66	63	61		"	"	0	
11				"	"	3			30.10	66	63	61		"	"	0	
Noon.				"	ESE	3			30.10	68	65	62		bc	cir cum nimb	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 25[illegible]12 "

Coal consumed during the preceding 24 hours, tons 1400 lbs.

Coal remaining on hand at Noon, 111 " 644 "

P. M.											
1		E by N	EME	2	30.10	69	66	63	bc	cir cum	7
2		"	East-	2	30.10	69	67	64	"	"	6
3		"	"	2	30.10	70	68	62	"	"	6
4		"	"	2	30.10	70	64	61	"	"	6
5		"	"	3	30.10	69	68	66	bc	"	8
6		"	ESE	3	30.11	68	62	60	"	"	8
7		"	"	2	30.10	73	62	59	"	"	4
8		"	SE	3	30.11	70	62	59	"	"	6
9		"	SSE	3	30.13	75	62	61	"	"	9
10		"	"	3	30.14	74	64	61	"	"	9
11		"	"	3	30.14	73	63	61	"	"	9
Mid.		"	"	3	30.14	73	63	61	bc m	"	9

under the command of Commander A. S. Snow, U. S. Navy,
Friday October 30th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Generally clear. Moderate to light breze from E.N.E to S.S.W. Barometer unsteady.

W O Hulme
Ensign U.S.N.

4 to 8 a.m.
Fair, thin overcast moderate breze from S.S.W to South. Rec'd for use of crew 108 3/4 lbs fresh beef, 108 3/4 lbs vegetables and 87 lbs fresh bread.

W Ry Mann Jr
Ensign U.S.N.

8 a.m to Mercd.
Overcast at first clearing last hour. Barometer steady. Gentle breze from S.E and E.S.E. H.B.M.S. "Bagle" came into Hoe Dock, "Basilisk" into Darsena. Received from Tallapoosa 3200 pounds 45 calibre ammunition. Commenced coaling at 10. Blacksmith repairing Steam Launch cradle. One carpenter working in engine room, one carpenter repairing gun port. By order of Comdg. Officer changed the ratings of W. O. Pugh (Cox) to Sea H. Anderson (Sea) to Coxswain and Chas. Smith (Sea) to S. Bugler. Absentees: J. J. Folvey (6x) and W. O. Pugh (Sea). The Comdg. Officer adjudged the following punishments: J. A. Callan (S. Appr 2d) Absenting himself from ship without permission — reduced to 4th class 3 months and dismissed to 1st class Apprentice.

J T Newton
Lieut U.S.N.

Mercd to 4 p.m.
Fair & warm. Light breze from S.W to the East. Finished coaling, having received 54 tons of coal. Cleaned up ship. Rec'd following stores aboard in Equipt Depot: 25 lbs cod line, in Con & Repair Depot: 200 feet white pine board 10 galls linseed oil 10 galls turpentine, 86 lbs white lead, 90 lbs white zinc, 1/2 bbl pitch, 60 lbs gum shellac, 100 deck plugs, 12, 16 feet ash oars. Draft of ship after coaling fwd. 14 ft, aft. 16 ft. 7 in - Amid. 15 ft. 3 in

W O Hulme
Ensign U.S.N.

4 to 8 p.m.
Clear and pleasant; barometer steady. Gentle breze from East and S.E.

J T Newton
Lieut U.S.N.

8 p.m to Mid
Clear. Gentle S.S.E breze.

W O Hulme
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N.	East	3			30.13	72	63	60		bc nw	cir cumu	5	
2				"	"	3			30.13	72	63	60		"	"	6	
3				"	"	3			30.13	72	62	59		"	"	6	
4				"	E by E	3			30.12	72	62	59		"	"	8	
5				"	E	3			30.14	72	61	58		bc	cum nimb	11	
6				"	"	3			30.14	72	61	58		"	"	2	
7				"	"	3			30.14	67	61	58		"	"	2	
8				"	E by S	3			30.14	68	61	58		"	"	2	
9				"	E	2			30.16	67	64	66		"	"	8	
10				"	"	2			30.17	68	65	61		"	"	8	
11				"	"	2			30.16	68	66	62		"	None	10	
Noon.				"	"	2			30.16	69	67	63		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 640 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1872 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 165 " 2444 "

P. M.									
1		E by N	E NE	2	30.14	70	69	bc cir cumu	9
2		"	E by E	2	30.13	71	69	65 " "	9
3		"	"	2	30.10	71	68	65 " "	6
4		"	"	3	30.08	71	68	65 " "	4
5		"	East	3	30.06	70	68	65 " "	4
6		"	"	3	30.06	69	68	64 oc cir nimb	0
7		"	"	3	30.06	74	67	64 " "	0
8		"	"	3	30.05	75	68	63 ocl "	0
9		"	E NE	3	30.08	77	69	66 " "	0
10		"	NE	3	30.08	78	69	60 " "	0
11		"	"	2	30.07	78	69	60 oc d "	0
Mid.		"	"	2	30.08	78	68	64 oc "	0

under the command of Commander A. S. Snow, U. S. Navy,

Saturday, Oct-31st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and till 4 am.
Partialy cloudy. Gentle and light breezes from East-ly & E'ly & E. D. Parker (Lor) stood on in a wake.

D. Johnston
Ensign U.S.N.

4 to 8 am.
Cloudy, gentle breeze from NE and NNE. Barometer steady. At 8 loosed sail to a bowline.

J. H. Newton
Lieut U.S.N.

8 am to Meid.
Clear & coolish. Light NE breeze. Absent on S.O. Pugh (Sick) J. J. Falvey (C.H.) J. Larsson (Sea) W. J. Ober (Sprain). At 11.20 shortened sail. Aired bedding.

W. Hulme Jr.
Ensign U.S.N.

Meid to 4 pm.
Mostly clear & pleasant. Light and gentle breezes from E'ly & E and E by E. At 1.00 furled sail. Sent liberty party ashore.

D. Johnston
Ensign U.S.N.

4 to 8 pm.
Overcast. Gentle breeze from the East.

W. Hulme Jr.
Ensign U.S.N.

8 pm to Mid.
Overcast & cloudy. Lightning. Light drizzling rain last two hours.

D. Johnston
Ensign U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NE	4-5			30.06	77	68	64		oc	nimb	0	
2				"	"	4-5			30.05	76	67	64		oc q	"	0	
3				"	"	4-5			30.04	75	67	64		"	"	0	
4				"	North	4-5			30.03	74	67	64		"	"	0	
5				"	"	3-4			30.03	73	67	64		oc roll	"	0	
6				"	"	3-4			30.04	70	66	63		oc roll	"	0	
7				"	"	4			30.04	70	66	63		oc	"	0	
8				"	NW	4			30.04	69	66	63		bc	nimb clear	1	
9				"	"	4			30.03	69	67	64		"	"	1	
10				"	"	3			30.03	71	69	66		"	"	3	
11				"	"	3			30.03	71	71	68		"	"	8	
Noon.				"	"	3			30.03	72	72	69		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 1400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1400 "

Coal consumed during the preceding 24 hours, tons X400 lbs.

Coal remaining on hand at Noon, 164 " 2084 "

P. M.									
1		E by N	NNW	1	29.98	73	74	70	bc cir str 6
2		"	NNE	1	29.98	73	75	71	" " 6
3		"	"	1	29.97	74	75	71	" cir cum 4
4		"	"	1	29.97	74	76	72	" " 4
5		"	"	1	29.96	76	76	72	" " 4
6		"	"	1	29.96	76	76	72	" " 4
7		"	"	1	29.96	79	76	73	" " 4
8		"	"	1	29.96	80	76	73	" " 4
9		"	Calm	0	29.96	80	76	72	bc clr " 8
10		"	"	0	29.97	78	76	72	" " 8
11		"	"	0	29.97	78	74	71	bc none 10
Mid.		"	"	0	29.98	78	73	70	" " 10

under the command of Commander A. S. Snow, U. S. Navy,

Sunday November 1st, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Overcast. Moderate breeze with stiff squalls from NE to North.

Jugh Fullerton
Asst. U.S.N.

4 to 8 a.m.
Overcast lightning & thunder. Passing showers first hour. Gentle to moderate breeze in squalls from the North to NW. Rec'd for crew 106 1/4 lbs each fresh beef and vegetables & 80 lbs soft bread.

W.O. Hulme Jr.
Ensign U.S.N.

8 a.m to Mid.
Cloudy; clearing last part. Light to moderate breeze from NW. At 9.30 inspected crew at quarters and at 10.00 had general muster and published articles for the government of the U.S. Navy. Found the following men to be absent from the ships without leave Wm Pugh (Sea) J.F. Falvey (OS) W.J. Ober (Drum) J. Larsson (Sea) W.J. Ober (Drum) returned on board 28 hrs overtime. Held board of survey on C. Pacheco (Cdo). H. Hansen (OS) was rated Seaman from date.

D. Preston
Ensign U.S.N.

Mid to 4 p.m.
Fair warm. Light airs from NW & W first hour and then from NNE. Sent a liberty party ashore.

Jugh Fullerton
Asst. U.S.N.

4 to 8 p.m.
Partially cloudy. Light airs from NNE. Started fires for distilling. J. Larsson (Sea) returned on board 5 3/4 hrs overtime.

D. Preston
Ensign U.S.N.

8 p.m to Mid.
Clearing & warm. Calm. At 10.15 began distilling.

Jugh Fullerton
Asst. U.S.N.

Examined and found to be correct.

C.K. Lunsford
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" , 3rd Rate,

At Buenos Ayres, A.R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	Calm	0			29.98	72	72	69		b w	none	10	
2				"	SE	1			29.99	70	70	68		"	"	10	
3				"	"	2			29.99	68	69	67		o c m	"	10	
4				"	"	3			29.99	66	68	66		"	cir cum	0	
5				"	SSE	3			29.99	65	67	65		"	"	0	
6				"	"	3			29.99	64	66	64		"	"	0	
7				"	"	3			30.01	66	65	63		o c	"	0	
8				"	SE	4			30.01	67	65	63		"	cum nimb	0	
9				"	"	4			30.04	67	65	63		"	"	0	
10				"	"	4			30.04	67	65	63		b c	"	0	
11				"	"	3			30.02	69	66	64		b c	"	1	
Noon.				"	"	4			30.02	69	67	64		o c	nimb	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 588 gallons.

Water Distilled during the preceding 24 hours, 980 "

Water remaining on hand fit for use at Noon, 1792 "

Coal consumed during the preceding 24 hours, 1 tons 160 lbs.

Coal remaining on hand at Noon, 163 " 1924 "

P. M.										
1		E by N	SE	4	30.02	69	66	63	o c	nimb 0
2		"	"	5	29.99	69	66	63	"	" 0
3		"	"	5	29.97	69	66	63	"	" 0
4		"	"	5	29.97	68	65	62	b c	cir cum 5
5		"	SSE	5	29.97	68	64	60	"	" 4
6		"	"	5	29.99	67	64	60	"	" 1
7		"	"	5	30.00	70	63	59	o c	cum str 0
8		"	"	5	30.00	71	62	58	o c d	cum nimb 0
9		"	"	5	30.00	70	61	58	o c g	" 0
10		"	"	5	30.00	70	61	58	"	" 0
11		"	"	5	30.00	70	61	58	"	" 0
Mid.		"	"	5	30.03	69	60	57	"	" 0

under the command of Commander A. S. Snow, U. S. Navy,
Monday, November 2nd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.

Clear, bright - starlight - first - three hours: Overcast - last - hour. Calm first - hour. Light - airs to gentle - breeze from SE. Distilling. Heavy dew.

4 to 8 p.m.

First U. S. N.

Overcast and cloudy. Gentle and moderate breeze from SE and SSE. Executed morning orders: Rec'd in Pay Dept - 107½ lbs fresh beef & vegetables & 86 lbs bread. Distilling.

8 a.m. to Merid.

Ensign U. S. N.

Overcast with a temporary light - break in the cloud this hour. Gentle to moderate breeze from SE. At 9.30 mustered at quarters; absentees: W. O. Pugh (Sea) and J. C. Talvey (OS). Divided the divisions according to routine. The Judg. Officer adjudged punishments as follows: A. Nielsen (Ldsm) brig of uniform - 4 hrs anchor watch. H. Rogers (S. Appr 2 cl) Careless with - breaking broom handle - 3 mid - night - watches. F. Scrogis (Ldsm) 1¼ hrs overtime 2nd class 2 weeks. J. C. Boothby (OS) 1¼ hrs overtime - 2nd class 2 weeks: Jas: Dwyer (Ldsm) Profanity - 3 mid night watches. J. M. Obr (Drum) 28 hrs overtime - 4½ class 2 months ½ M money. J. Thorson (Sea) 32½ hrs overtime - 4½ class 2 months ½ M money. A Board of Survey met - aboard to survey articles in the Equipt: Dept - The Quarterly Board of Inspection counted the cash in the Pay Dept - Distilling.

Meridn to 4 p.m.

First U. S. N.

Cloudy, clearing last - hour. Moderate to fresh breeze from SE. Sent down topgallant - yards & masts. Distilling.

4 to 8 p.m.

First U. S. N.

Cloudy: getting overcast: Stiff breeze from ESE. Light - drizzle setting in last - half hour. Distilling.

8 p.m. to Mid.

First U. S. N.

Cloudy with occasional light - drizzle first - & last - hours. Fresh breeze from ESE, squally. Distilling.

First U. S. N.

Examined and found to be correct.

L. K. Lunt
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	ESE	5			30.05	67	59	57		o c g	nimb	0	
2				"	"	5			30.05	67	59	57		o e d	"	0	
3				"	"	5			30.06	66	59	57		"	"	0	
4				"	S by E	5			30.06	66	58	56		"	"	0	
5				"	"	5-6			30.06	63	57	55		o c g p	"	0	
6				"	"	4-5			30.06	62	57	54		"	"	0	
7				"	"	4-5			30.07	60	57	55		b c g d	cir cum nimb	1	
8				"	"	4-5			30.10	60	56	54		b c g	"	1	
9				"	SSE	4-5			30.12	72	58	55		"	"	4	
10				"	"	5			30.16	66	59	56		o c	cumulo	0	
11				"	"	5			30.16	65	59	55		"	"	0	
Noon.				"	"	5			30.16	69	58	54		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 420 gallons.

Water Distilling during the preceding 24 hours, 1414 "

Water remaining on hand fit for use at Noon, 2784 "

Coal consumed during the preceding 24 hours, 1 tons 1760 lbs.

Coal remaining on hand at Noon, 162 " 164 "

P. M.														
1			E by N	SSE	5	30.20	70	59	55	b c	cir cum nimb	2		
2			"	"	5	30.20	69	60	55	"	"	2		
3			"	"	4-5	30.20	66	60	55	"	"	2		
4			"	"	4-5	30.21	70	60	55	"	"	2		
5			"	"	4-5	30.22	68	59	54	"	"	2		
6			"	SE	3-4	30.24	68	59	55	"	"	2		
7			"	"	3	30.26	68	59	55	"	"	4		
8			"	"	3	30.29	72	58	54	"	"	5		
9			"	"	5	30.32	70	57	53	"	"	7		
10			"	"	5	30.32	71	55	51	"	"	9		
11			"	"	5	30.33	73	55	51	"	"	9		
Mid.			"	SSE	3	30.34	72	56	52	b	nimb	10		

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, November 3rd, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Overcast & drizzling, stiff breez from E.S.E & S.S.E.
W. Ry Mason Fild.
Ensign U.S.N.

4 to 8 a.m.
Overcast first part with rain. Temporary breaks in the clouds latter part. Moderate breez with stiff to fresh squalls from S by East. Distilling.
Dwight L. Wolcott
Asst. U.S.N.

8 am to Merid.
Overcast. Fresh breez from S.S.E. At 9.00 mustered at quarters. N.C. Pugh (Sea) & P. Hand (W.T) absent without leave. Fire quarters at 9.45 1st stream 0m18s; 2nd stream 0m47s; 3rd, 0m49s; and 4th, 0m54s. Distilling.
F. Freiss
Asst. U.S.N.

Merid to 4 p.m.
Partly cloudy, stiff breez from S.S.E.
W. Ry Mason Fild.
Ensign U.S.N.

4 to 8 p.m.
Cloudy but clearing latter part. Moderate to gentle breez from S.S.E & S.E. P. Hand (W.T) returned on board 9 hours overtime. Distilling.
H. A. Greene
Asst. U.S.N.

8 p.m to Mid.
Clear & pleasant, stiff to gentle breez from S.E to S.S.E. Stopped distilling and hauled fires.
W. Ry Mason Fild.
Ensign U.S.N.

Examined and found to be correct.

Geo. K. Gentner
Lieut. - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	SSE	4			30.32	65	53	50		b o	cir cumm	10	
2				"	"	4			30.32	64	51	48		"	"	10	
3				"	"	4			30.32	62	51	48		"	"	10	
4				"	"	4			30.32	61	49	46		b c	"	9	
5				"	"	4			30.31	57	48	45		"	"	8	
6				"	"	4			30.30	52	49	46		"	"	9	
7				"	"	3			30.30	55	51	48		b c m	"	6	
8				"	"	3			30.31	57	53	50		"	"	7	
9				"	"	3			30.33	58	54	53		b c	"	7	
10				"	ESE	2			30.33	60	59	54		"	"	7	
11				"	East	1			30.33	61	60	54		"	"	7	
Noon.				"	"	1			30.30	62	61	55		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons 1600 lbs.

Coal remaining on hand at Noon, 161 " 804 "

P. M.										
1			E by N	East-	1	30.29	63	61	55	b	none	10
2			"	"	1	30.28	65	62	56	"	"	10
3			"	"	1	30.26	65	62	57	b c	circum	8
4			"	NE	1	30.25	65	62	57	"	"	8
5			"	ENE	2	30.24	66	62	56	"	"	8
6			"	"	2	30.24	66	61	56	"	"	8
7			"	"	2	30.23	70	60	56	"	"	8
8			"	East-	2	30.22	70	60	56	"	"	9
9			"	"	2	30.26	71	59	55	"	"	9
10			"	"	2	30.26	71	59	56	"	"	8
11			"	"	3	30.26	71	59	56	"	"	9
Mid.			"	"	3	30.25	70	59	55	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday November 4th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Clear and cold barometer steady. Moderate breeze from SSE. Very high tide. J. Dwyer (Sea) and H. Rogers (Sea) rec'd 1 hour extra watch from 12 to 4 AM. W. O. Pugh (Sea) returned 9 days 18½ hours overtime.

J. T. Newton
Lieut U. S. N.

4 to 8 AM.

Clear and pleasant; misty along horizon latter part. Moderate to gentle breeze from SSE. Sent up topgallant mast and yards. Rec'd 107½ lbs fresh meat, 107½ lbs vegetables and 86 lbs bread for issue to crew.

J. T. Newton
Lieut U. S. N.

8 AM to Merid

Clear & fine, gentle breeze to light airs from SSE to East. Mustered at quarters and exercised battalion at company drill. Discharged W. C. Kuipers (Ldo) from the service at his own request. Geo Hachiro (Ldo) & Wm Fellows (Ldo) were transferred to U. S. S. Tallapoosa with their bags, hammocks & papers. The Comdg. Officer adjudged the following punishments: L. J. Talbey (Sea) 31 hrs overtime — 4th class, 3 months, $2.50 Monthly money. P. Hand (Sea) 9 hrs overtime and drunk — 2nd class 1 month: W. O. Pugh (Sea) 9 days 18½ hrs overtime — 4th class 3 months $2.50 M. money. G. V. Mercier (Ldo) & A. Nerder (Ldo) each 1½ hrs overtime, — 2 weeks 2nd class — each.

W. Roy Mason Jr. Asst.
Ensign U. S. N.

Merid to 4 PM.

Clear & pleasant, barometer falling slowly. Light airs from East. Received in Equipment Depot 3 lbs Spun yarn Carpenter's gang repairing starboard water closet and dinghy oars.

J. T. Newton
Lieut. U. S. N.

4 to 8 PM.

Clear and fine, light breeze from E to E by East. W. Roy Mason Asst.

Ensign U. S. N.

8 PM to Mid.

Clear and pleasant, barometer steady & Light to gentle breeze from East.

J. T. Newton
Lieut. U. S. N.

Examined and found to be correct.

L. K. Newton
Lieut. — Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	N E	4			30.24	69	59	56		b c	None	10	
2				"	"	4			30.28	69	58	55		"	"	10	
3				"	"	3			30.23	68	58	56		"	"	10	
4				"	"	4			30.22	68	58	56		b c cu	cum str	9	
5				"	N N E	4			30.20	67	58	55		b c	"	9	
6				"	"	4			30.20	67	58	55		"	"	9	
7				"	"	4			30.21	65	60	57		b c m	cir	9	
8				"	"	4			30.21	64	62	58		"	cir cum	8	
9				"	"	3			30.19	65	63	59		b c	"	8	
10				"	"	3			30.17	67	66	61		"	"	6	
11				"	North	3			30.16	67	66	62		"	cir cum nimb	4	
Noon.				"	"	3			30.17	68	67	62		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3744 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 24442 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 161 " 4014 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				E by N	N N E	2			30.18	69	69	63		b c	cir cum	6	
2				"	North	1			30.15	70	69	64		"	"	5	
3				"	N E	1			30.14	71	68	63		"	"	5	
4				"	E N E	1			30.13	71	68	63		"	"	4	
5				"	E S E	2			30.13	70	67	63		"	"	4	
6				"	"	1			30.12	69	66	62		"	"	4	
7				"	"	2			30.12	73	66	62		"	"	4	
8				"	"	3			30.13	74	66	62		"	"	4	
9				"	"	3			30.14	74	65	61		"	"	9	
10				"	E N E	4			30.13	74	64	60		"	"	8	
11				"	N E	4			30.14	73	63	59		"	"	6	
Mid.				"	"	4-5			30.14	73	63	59		"	"	6	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday, November 5th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear and cool. Moderate to gentle breeze from NE.

W. O. Hulme Jr.
Ensign U. S. N.

4 to 8 a.m.
Clear and pleasant; moderate breeze from NNE.

W. Ry Grasm fsld.
Ensign U. S. N.

8 a.m to Meridian
Bright and pleasant, barometer falling slowly. Gentle breeze from North. Loosed sail at quarters. At 9.30 quarters no absentees. Called away all boats for cutting out, equipped from but did not lower. Steam launch 3m 02s. Sl. launch 6m 52s. 1st cutter 3m 10 sec. 2nd cutter 3.m 45 sec. W. Boat 4m 16 sec. Gig 4.m 22 sec. Shipped Regi Daki (Ldo) for this cruise. Coxswain & quartermaster practiced signalling on hour. Changed the ratings of H. Nygren (Sp D.) to OS and E. Stein (OS) to Sp D. by order of Comdg. Officer.

J. J. Hunter
Lieut. U. S. N.

Meridian to 4 p.m.
Fair. Light breeze to light airs from NW by W to E by E. Comdg. Officers of French Cruiser Pourvoyeur made official visit on board. At 1. furled sail.

W. O. Hulme Jr.
Ensign U. S. N.

4 to 8 p.m.
Cloudy & pleasant. Barometer steady. Light airs and light breezes from ESE.

J. J. Hunter
Lieut. U. S. N.

8 p.m to Midnight.
Clear. Gentle to moderate breeze from ENE to NE.

W. O. Hulme Jr.
Ensign U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	NW	3			30.14	72	63	60		be	circum	6	
2				"	"	2			30.14	72	63	60		"	"	9	
3				"	"	1			30.14	71	63	60		"	"	9	
4				"	"	1			30.13	71	63	60		"	"	9	
5				"	NE	3			30.14	71	62	59		"	"	7	
6				"	"	3			30.14	69	63	60		"	"	8	
7				"	"	2			30.14	67	64	61		"	"	8	
8				"	"	2			30.14	67	64	61		"	circum ols	5	
9				"	"	1			30.14	67	65	62		"	"	6	
10				"	"	1			30.14	68	66	62		"	"	6	
11				"	ESE	2			30.14	69	66	62		"	"	7	
Noon.				"	SE	1			30.14	69	66	63		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 606 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1836 "

Coal consumed during the preceding 24 hours, tons 875 lbs.

Coal remaining on hand at Noon, 160 " 1769 "

P. M.									
1	E by N	SE	2	30.14	70	66	62	be	circum 6
2	"	"	2	30.13	70	66	62	"	" 6
3	"	ESE	2	30.13	71	67	63	"	" 7
4	"	"	2	30.13	71	66	62	"	" 6
5	"	SE	3	30.13	71	66	62	"	" 6
6	"	"	3	30.14	71	66	63	"	" 5
7	"	ESE	3-4	30.13	72	64	61	"	" 4
8	"	East	3-4	30.14	70	65	61	"	" 4
9	"	ESE	3	30.14	73	65	61	"	" 5
10	"	"	3	30.15	73	64	61	"	" 7
11	"	East	3	30.15	72	64	61	"	" 9
Mid.	"	"	3	30.15	72	63	61	"	" 8

under the command of Commander A. S. Snow, U. S. Navy,

Friday, November 6th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & pleasant: Light airs to gentle breezes from NW: Jno: Dwyer (Ldo) stood extra watch per order of Comdg. Officer.

D. McStone
Ensign U.S.N.

4 to 8 a.m.
Clear and pleasant - barometer steady. Gentle to light breeze from NE. Cleaned bilges. Received for crew 110 lbs. fresh beef, 110 lbs. fresh bread, 88 lbs. soft bread.

J. H. Newton
Lieut. U.S.N.

8 a.m. to Meridian.
Clear. Light airs to light breeze from NE to ESE. At 9.30 general quarters. Divisions reported as follows, viz: 1st in 1m 29 sec, 2nd in 2m 48 sec, 3rd in 1m 18 sec, Navy in 1m 42 sec, Powd. in 2m 15 sec, Engrs in 1m 10 sec, Marines in 58 sec, Buys in 47 sec, & Pays in 45 sec. Enlisted for cruise N. Paxton as Landsman. Tested mag & shell port & sea cocks & life buoys. The following changes were made in ratings of J. J. Brennahan (P. to) to Lt. (J.G.) D. C. F. Prechtel (S. Writer) to Pay Asst. Ed. Gibson (Os. to) to Ships Writer.

W. O. Hulme H.
Ensign U.S.N.

Meridian to 4 p.m.
Fair. Light breezes from SE and ESE. Sent liberty party ashore.

D. McStone
Ensign U.S.N.

4 p.m. to 8 p.m.
Clear. Gentle breeze from ESE to NE by East.

W. O. Hulme H.
Ensign U.S.N.

8 p.m. to Mid.
Cloudy first hour, clear and pleasant. Last three hours: Gentle breezes from ESE and East.

D. McStone
Ensign U.S.N.

Examined and found to be correct.

G. K. Cureton
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Buenos Ayres, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	E by E	2			30.13	71	63	61		be	cir cum	6	
2				"	SSE	2			30.13	71	62	60		"	"	6	
3				"	"	2			30.12	70	62	59		bcw	"	9	
4				"	SSW	2			30.13	67	61	58		"	"	9	
5				"	SSE	3			30.14	67	61	58		"	"	5	
6				"	"	2			30.14	66	61	59		"	"	6	
7				"	"	3			30.14	64	64	62		bcm	"	8	
8				"	SE	4			30.14	64	65	62		"	"	6	
9				"	"	3			30.14	66	66	63		be	"	4	
10				"	ESE	3			30.14	68	67	63		"	"	4	
11				"	East	3			30.14	68	67	63		"	"	2	
Noon.				"	"	3			30.14	68	66	63		"	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 457 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1385 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 160 " 1369 "

P. M.												
1			E by N	East	2	30.14	69	67	63	be	cir cum	4
2			"	ESE	2	30.13	69	67	63	"	"	1
3			"	"	3	30.12	69	67	63	"	"	4
4			"	"	3	30.12	70	67	64	"	"	4
5			"	"	3	30.12	70	67	64	"	cir cum nimb	3
6			"	SE	3	30.12	70	67	64	"	"	2
7			"	"	3	30.12	71	67	64	"	nimb	2
8			"	"	3	30.11	73	66	63	oc	"	0
9			"	"	3	30.12	73	66	63	"	"	0
10			"	SSE	2	30.13	73	66	64	"	"	0
11			"	"	2	30.13	71	66	64	ocd	"	0
Mid.			"	"	2	30.12	71	66	63	be	"	2

under the command of Commander A. S. Snow, U. S. Navy,
Saturday, November 7th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear and pleasant. Navy dev last part. Light breze from ESE to SSE. R. Post (cl Apsp) discovered skulking about the Tallapoosa's main chains was put under sentry's charge for safe keeping.

Jno. Fulton Coleman
Lieut U. S. N.

4 to 8 a.m.
Fair. Gentle to light SSE. breze. Executed morning orders.

W. Wyllys Ide
Ensign U. S. N.

8 a.m. to Meid.
Cloudy. Gentle breezes from SE to East. J. C. Robinson (S. Corpl) absent from ship without leave. R. Post (cl Apsp) was placed in confinement on bread & water for five days; red to 4th class; 3 months - $2.50 monthly - money for leaving ship without permission. Rcid communication from Judge Advocate General's office approving sentence of Summary Court in the case of R. Post (cl Apsp), reducing his loss of pay to one (1) month.

D. Mustin
Ensign U. S. N.

Meid to 4 p.m.
Generally fair. Light to gentle breze from East to ESE. Sent a liberty party ashore. Received from U. S. S. Tallapoosa G. Bachiro (do) and J. Kinhachi (OS) with bags, hammocks and transfer papers.

Jno. Fulton Coleman
Lieut U. S. N.

4 to 8 p.m.
Cloudy. Gentle breze from ESE to SE. At 6.27 started fires in distilling boiler.

W. Wyllys Ide
Ensign U. S. N.

8 p.m. to Mid.
Overcast first part with a light drizzle third hour. Cloudy last hour. Light breze from SE to ESE. Began distilling. J. C. Robinson S. Corp. returned aboard.

Jno. Fulton Coleman
Lieut U. S. N.

Examined and found to be correct.

L. K. Linsley
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Buenos Ayres S.A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	SSE	3			30.11	69	66	63		o c m	cum nimb	0	
2				"	"	3			30.10	69	66	63		o c d	"	0	
3				"	"	2			30.09	68	64	62		o c m w	"	0	
4				"	"	3			30.08	68	64	62		"	"	0	
5				"	"	3			30.06	69	64	62		"	"	0	
6				"	"	3			30.07	65	63	62		"	"	0	
7				"	"	3			30.07	63	62	61		"	"	0	
8				"	"	3			30.07	66	62	61		b c m	cir cum nimb	1	
9				"	"	4			30.08	66	65	63		o c m	nimb	0	
10				"	"	4			30.08	67	66	63		b c	cir cum nimb	3	
11				"	SE	4			30.07	68	69	65		"	"	3	
Noon.				"	"	4			30.07	70	72	66		"	"	3	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water Distilled during the preceding 24 hours, 840 "

Water remaining on hand fit for use at Noon, 1856 "

Coal consumed during the preceding 24 hours, tons 1825 lbs.

Coal remaining on hand at Noon, 159 " 1784 "

P. M.												
1		E by N	East	2	30.06	71	72	68	b c	cir cum	3	
2		"	"	2	30.08	72	70	66	"	"	5	
3		"	ESE	2	30.06	71	70	66	"	"	4	
4		"	"	3	30.04	71	69	66	"	"	3	
5		"	"	3	30.04	71	69	66	"	"	3	
6		"	"	3	30.04	70	68	65	"	"	5	
7		"	"	3	30.04	67	67	64	"	"	6	
8		"	"	3	30.04	74	67	64	"	"	8	
9		"	SE	4	30.04	74	66	63	"	"	6	
10		"	"	4	30.03	75	66	63	o c	nimb	0	
11		"	SSE	3	30.03	75	65	62	b c	cir cum nimb	6	
Mid.		"	"	3	30.03	73	63	61	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,
Sunday, November 8th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM
Overcast - misty & wet. Light drizzle at times. Gentle to light breezes from SSE. Distilling.

4 to 8 AM.
Cloudy & misty. Gentle breeze from SSE. Executed morning orders. Recd in Pay Dept - 110 lbs fresh meat and vegetables, and 88 lbs soft bread.

8 AM to Merid.
Cloudy. Light mist first hour. Gentle to moderate breeze from SSE to SE. At 9.30 had divisional inspection and at 10 the Commanding Officer inspected the ship and the crew at quarters. Distilling.

Merid to 4 PM.
Fair pleasant weather. Light to gentle breeze from East to ESE. Distilling. H.M.S. Beagle left the dock.

4 to 8 PM.
Fair. Gentle breeze from ESE. The Beagle and the Basilisk went out, the Beagle grounding in the canal. Made signal by International Code to the Beagle on her departure F.P.S.W. and R.O.J. Distilling.

8 PM to Mid.
Generally clear & pleasant. Moderate breeze from SE to SSE. Distilling.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At Buenos Ayres, A. R.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E by N	SSE	2			30.03	71	62	60		bcw	cirrumb	7	
2				"	"	2			30.03	70	62	60		"	"	8	
3				"	"	2			30.02	70	62	60		"	"	7	
4				"	"	3			30.02	69	61	60		"	"	1	
5				"	"	3			30.02	68	61	59		oc fw	rumb	0	
6				"	"	3			30.02	64	61	60		oc.	"	0	
7				"	"	3			30.03	66	61	60		"	"	0	
8				"	"	3			30.04	64	61	60		"	"	0	
9				"	SE	3			30.03	66	65	63		bw	circum	2	
10				"	South-	3			30.04	68	66	64		"	"	2	
11				"	SSE	3			30.05	68	68	64		bc	"	3	
Noon.				"	"	3			30.05	69	70	66		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 410 gallons.

Water Distilled during the preceding 24 hours, 1434 "

Water remaining on hand fit for use at Noon, 2880 "

Coal consumed during the preceding 24 hours, 2 tons 195 lbs.

Coal remaining on hand at Noon, 137 " 1589 "

P. M.														
1			NE ½ E	SE	2		30.05	70	71	66	bc	circum	3	
2	6		"	ENE	3		30.06	71	70	66	"	"	4	
abt 2.40	11.5		NW	"	2		30.06	70	70	67	"	"	4	
4			"	"	2		30.05	69	70	67	"	"	6	
5			"	"	2		30.06	69	70	67	"	"	7	
6	Flos		North-	"	2		30.05	69	70	67	"	"	8	
7			ENE	"	2		30.06	74	69	65	"	"	9	
8			"	"	2		30.07	75	68	65	bcl	"	7	
9			East-	"	1		30.06	76	68	65	"	"	9	
10			"	NE	1		30.07	74	69	66	"	"	9	
11			NE	"	2		30.08	74	68	64	below	"	9	
Mid.			NNE	NNE	2		30.08	74	67	64	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Monday, November 9th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Clear & fine. Light breze from SSE. Distilling
W. Roy Mason Jr Ensign U.S.N.

4 to 8 a.m.
Overcast. Gentle breze from SSE. At 6.00 started fires under two boilers. Moved the ship astern about twenty feet to make room for a merchant steamer ahead. Rec'd for use of crew 111/4 lbs each fresh meat and vegetables and 89 lbs bread.
Jno Hurl Holman
Lieut. U.S.N.

8 a.m. to Merid.
Partly cloudy, pleasant weather. Gentle breze from SSE to South. Made preparations for leaving port. Pilot and tugs came alongside at 10. Turned engines over at 10.15 and at 10.20 cast off lines & stood out of the docks in charge of pilot. At 12 standing down the channel. Ships draft 14'0" fore, 13' 4" amid & 16' 8" aft. Distilling.
W. Harrison
Lieut. U.S.N.

Merid to 4 p.m.
Fair & pleasant light breze from SE hauling to E by E. During the watch the ship steamed out of the canal and headed over for Colonia. At 1.12 put over P.K. reading 0. At 2.40 came to anchor in plain sight of Colonia, in 3½ fms of water, and veered to 30 fms on 0 shoe. Bearings from anchorage Colonia Lt. (pc) N by E 3/4 E. Farallon D. (pc) W by N. Banked fires: Distilling.
W. Roy Mason Jr
Ensign U.S.N.

4 to 8 p.m.
Clear & pleasant weather. Light breze from SE by E. Distilling
W. Harrison
Lieut. U.S.N.

8 p.m. to Mid.
Clear & fine, light airs to light breze from E by E to NE by E. Stopped distilling and hauled fires under distilling boiler.
W. Roy Mason Jr
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex" , 3rd Rate,

At Anchor in Rio de la Plata

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NWby W	North -	3			30.09	71	68	65		b c w	cirrus	8	
2				"	"	3			30.09	71	67	65		"	"	8	
3				"	NW	2			30.09	72	67	64		"	"	4	
4				"	SW	1			30.10	71	67	65		"	"	4	
5				"	South -	2			30.11	72	68	66		b c m	cirrus	4	
6				NW	SW	1			30.11	69	68	66		b c	cirrus	7	
7				"	"	2			30.12	68	68	66		"	"	2	
8				NE	SE	2			30.14	69	70	68		"	"	7	
9				"	"	2			30.15	69	71	68		"	"	7	
10	~~Ho~~		11.	"	"	2			30.18	70	70	67		"	"	7	
11	~~Ho 3~~		16.3	"	"	2			30.19	70	72	69		"	"	7	
Noon.				"	"	2			30.18	70	70	67		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 384 gallons.

Water Distilled during the preceding 24 hours, 702 "

Water remaining on hand fit for use at Noon, 3000 "

Coal consumed during the preceding 24 hours, 2 tons 430 lbs.

Coal remaining on hand at Noon, 155 " 159 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				SEbyE	East -	2			30.17	70	70	67		b c	cirrus	8	
2	Ebb			NNW	"	3			30.16	70	70	67		"	"	8	
3				"	"	3			30.15	70	70	65		"	"	9	
4				"	"	4			30.15	70	70	64		"	"	8	
5				"	"	4			30.14	73	70	64		"	"	8	
6				NbyW	"	4			30.15	73	69	66		"	"	8	
7				East -	"	3			30.16	74	68	63		"	"	8	
8				ESE	"	3			30.15	74	68	63		"	"	7	
9				SE	"	3			30.15	72	68	63		"	"	5	
10				"	"	3			30.15	74	67	62		"	"	6	
11				"	"	3			30.16	74	66	61		"	"	6	
Mid.				East -	ENE	3			30.15	73	65	60		"	"	6	

under the command of Commander C. S. Snow, U. S. Navy,

Tuesday, November 10th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.

Clear, clouding over latter part. Barometer steady. Gentle breeze to light airs from North and from West.

W. T. Hewlett
Lieut. U. S. N.

4 to 8 AM

Partly cloudy, pleasant weather. Light breeze to light airs from South. At 8 SW. Lowered steam launch & made preparations for great gun target practice.

A. Bryner
Lieut. U. S. N.

8 AM to Merid.

Clear & pleasant; light breeze from SE. At 8 AM made preparations for target practice, sent out steam cutter & 1st cutter with officers for observing, and at 8.35 sent over target and got them away. At 8.45 beat to general quarters and exercised at target firing until 9.45, when the boats were picked up and course set for Colonia, the Navigator conning the ship. At 11.40 moored in 5 fms of water the port anchor to the S'd. Bearings from anchorage Old San Benito Church (pc) N 3/4 E. Colonia Lt. (pc.) E 7/8 S. Farallon Lt. (pc) S 84 W 3/4 W. Expended in Ordnance 12, 10 lbs. charges for 11 in.; 10 filled shell for 11 in., 2 solid shot for 11 in.; 4 shot wads. For 8 in. Rifles: - 6, 30 1/2 lbs. charges and 6 filled Butler shell. For 6 Pdr:- 6, 3 lbs. charges; 6 common shell.

G. Roy Mason Field.
Ensign U. S. N.

Merid to 4 PM.

Bright and pleasant barometer steady. Light to gentle breeze from East. Put on moving spivel at 45 fms. Sent an officer to call on the U. S. Consul. Bearings from anchorage Colonia Lt. (pc) N by E 3/4 E. Farallon Lt. pc W by W. Hauled fires.

W. T. Hewlett
Lieut. U. S. N.

4 to 8 PM.

Clear & fine, moderate to gentle breeze from East. Sent out moorings for small arm targets & placed them in position. Serves out clean hammocks.

G. Roy Mason Field.
Ensign U. S. N.

8 PM to Mid.

Clear and pleasant. Bright moonlight. Barometer steady Gentle breeze from East and ENE.

W. T. Hewlett
Lieut. U. S. N.

Examined and found to be correct.

G. K. Cannon
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by W	E by N	3			30.14	70	65	61		b c l	cir cum	4	
2				N by W	"	2			30.14	68	65	60		"	"	5	
3				"	N E	3			30.14	67	65	59		"	"	5	
4				"	"	4			30.13	66	64	58		b c	"	4	
5				"	"	4			30.14	65	63	58		"	"	6	
6				"	N N E	4.5			30.14	65	63	59		"	"	8	
7				"	"	4.5			30.14	67	65	61		b c m	"	8	
8				"	"	4			30.15	70	69	64		b c	"	8	
9				"	North	3			30-15	72	72	67		"	"	7	
10				N by W.	N.W.	2			30-14	72	74	69		"	"	8	
11				S.E.	S.E.	3			30-14	72	73	69		"	"	6	
Noon.				"	"	3			30-14	72	72	68		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 472 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2528 "

Coal consumed during the preceding 24 hours, tons 1065 lbs.

Coal remaining on hand at Noon, 154 " 1334 "

P. M.														
1		S.E.	S.E.	3	30-14	72	71	67			b c	cir cum	6	
2	Commenced to swing.	E.S.E.	E.S.E.	2	30-12	70	71	67			"	"	5	
3		"	"	3	30-10	72	72	68			"	"	8	
4		"	"	3	30-08	72	72	68			"	"	6	
5	Finished.	N.N.W.	"	3	30-06	71	68	62			"	"	5	
6		N by W	"	3	30-05	73	70	66			"	"	5	
7	Flood.	E by S.	East.	4	30-04	76	70	65			"	"	4	
8		"	"	4	30-04	76	70	66			"	"	4	
9		S.E. by E.	"	4-5	30-05	76	70	66			b c q	mint cir cum	2	
10		"	"	4-5	30-06	76	69	63			"	"	2	
11		"	"	4-5	30-06	75	69	63			"	"	2	
Mid.		"	"	4-5	30-06	75	69	63			"	"	3	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday, November 11th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 a.m.
Cloudy. Light to moderate breeze from E. by E. to N.E.
W. O. Hulme Jr.
Ensign U. S. N.

4 to 8 a.m.
Clear and pleasant, moderate to stiff breeze from N.E. and N.N.E. Received provisions for use of Ship 111¼ lbs beef, 111¼ lbs vegetables and 89 lbs bread.
W. Roy Mason Field.
Ensign U.S.N.

8 A.M. to Meridian.
Bright and pleasant, barometer steady, gentle to light breeze from South, N.W. and S.E. At 9.30, mustered at quarters, and commenced target practice, the 1st and 3rd Divisions firing with rifles and revolvers. The 3rd Div. finished with revolvers.
J. T. Newton
Lieut, U.S.N.

Meridian to 4 P.M.
Fair, light to gentle breeze from S.E. to E.S.E. served out clothing and small stores. First Div. finished and Navigator's Division began rifle practice. Engineers and 2nd Divisions finished, and First Division began pistol practice.
W. O. Hulme
Ensign U.S.N.

4 to 8 P.M.
Fair, barometer falling steadily, cirri wisps well defined and extending N.E. and S.W. gentle to moderate breeze from E.S.E. to E. at close of watch. Had quarters, men turned in clean hammocks.
J. Newton
Lieut. U.S.N.

8 P.M. to Midnight
Cloudy moderate to stiff breeze in squalls from the East.
W. O. Hulme
Lieut, U.S.N.

Examined and found to be correct.

G. K. Hunter
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E.S.E.	East.	4			30-04	72	67	61		bc	cucum	6	
2				N.E.	N.E.	3			29-99	72	64	59		"	"	5	
3				N.N.W.	"	4			29-96	67	65	62		"	"	2	
4				"	"	4			29-96	67	66	63		b.c.l.	"	5	
5				"	N.N.E.	4			29-96	68	66	63		b.c.	"	1	
6				"	"	4			29-97	68	66	63		"	"	1	
7				"	"	5			29-97	69	67	64		"	"	2	
8				"	"	5			29-97	71	68	65		"	"	7	
9				N.W.	N by E.	4			29-97	73	72	68		"	"	8	
10				N.N.W.	North.	4			29-98	74	74	68		"	cir.str.	8	
11				"	"	3			29-98	74	76	69		"	"	8	
Noon.				"	"	2			29-97	74	77	71		"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 352. gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2176. "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 154 " 934 "

P. M.												
1			N.W. by W.	West.	3	29-97	74	75	71	bc	Cirlum	7
2			"	"	2	29-97	74	75	71	"		7
3			"	W.S.W.	2	29-96	75	75	72	"		7
4			N.W.	S.S.E.	2	29-95	75	76	72	"		6
5			"	"	1	29-95	75	75	71	"		2
6			"	E.N.E.	1	29-96	78	74	69	"	mist	2
7			"	North.	1	29-97	78	74	70	o.c.	"	5
8			"	East.	1	29-97	78	75	70	"	"	5
9			"	"	2	29-97	78	73	70	o.c.l.	cirstn	0
10	Flood.		North	N.E.	2	29-97	77	74	71	bc	circum	5
11			S.E.	East.	2	29-98	77	74	70	"	"	4
Mid.			"	"	2	29-98	75	73	69	"	"	5

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, November 12th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 AM.
Cloudy; gentle to moderate breeze from East, and N.E.

Ensign, U.S.N.

4 to 8 A.M.
Cloudy and pleasant - barometer steady - moderate to fresh breze from N.NE.

J.T. Newton
Lieut, U.S.N.

8 A.M. to Meridian
Clear moderate to light breeze from the North. At 9.30 mustered at Quarters. Repaired bilge pump & overhauled bower-chains. 1st & 2nd Divisions finished Pistol practice & Navigators Division finished Rifle practice. U.S. Consul came on board. At 9.55 lighted fires for Distilling.

W. O. Hulse
Lieut, U.S.N.

Meridian to 4 P.M.
Light and gentle breezes from West — W.S.W. and S.S.W. — Overhauled sheet chain. Continued small arm target practice Distilling

Ensign U.S.N.

4 to 8 P.M.
Cloudy - light airs from S.S.E. to the North. Bent sheet chain. Hoisted Steam Launch & targets - Distilling.

W. O. Hulse
Ensign U.S.N.

8 P.M. to Midnight
Cloudy; light breezes from N.E. & East; distilling

Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
At Colonia, Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S.E.	East.	2			29-98	75	73	70		bcw	cir-cum cir-cirr	6	
2				"	"	2			29-98	74	73	70		"	"	4	
3				S.E. by E.	N.E.	2			29-98	72	72	69		"	"	6	
4				North	N.E. by N.	3			29-96	72	71	68		"	"	6	
5				N.N.W.	N.N.E.	3			29-96	71	71	68		bc	nim	1	
6				N.W. by N.	"	3			29-97	70	71	68		oc	"	0	
7				N.W.	N.E.	1			29-99	70	71	69		oc	"	0	
8				"	"	1			30-00	71	72	70		"	"	0	
9				"	N.W.	1			30-02	74	71	69		"	"	0	
10				"	"	1			30-02	74	71	69		"	"	0	
11				"	East.	1			30-02	75	72	70		ocd	"	0	
Noon.	Commenced to swing to Flood 11.48			North	"	3			29-92	75	72	70		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water Distilled during the preceding 24 hours, 1240 "

Water remaining on hand fit for use at Noon, 3056 "

Coal consumed during the preceding 24 hours, 1 tons 440 lbs.

Coal remaining on hand at Noon, 153 " 494 "

P. M.														
1		E.S.E.	S.E.	1	29-97	74	73	70		o.c.	cir-cum	0		
2		S.E.	"	1	29-98	74	73	70		"	"	0		
3		"	E.S.E.	2	29-95	73	72	69		"	cum-nim	0		
4		"	"	3	29-94	73	71	69		o.c.d	"	0		
5		"	S by E.	3	29-91	72	72	70		"	"	0		
6		"	S.E.	4-5	29-90	73	71	69		oc.	nimb	0		
7		E.S.E.	"	5	29-91	75	71	69		ocdl	"	0		
8		"	E.S.E.	4-5	29-91	75	71	69		ocdl	"	0		
9		East	"	4-5	29-89	75	71	69		"	"	0		
10		E.S.E.	"	4-5	29-85	76	71	69		ocl	"	0		
11		"	"	4-5	29-87	76	70	69		ocl	"	0		
Mid.		"	"	4	29-87	75	70	69		ocp	"	0		

under the command of Commander A. S. Snow, , U. S. Navy,

Friday November 13th , 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and till 4 A.M.

Clear and pleasant Heavy dew; bright moonlight, Light breeze from East to N.E. by N. Distilling, Flood tide

Jno. H. W. Johnson
Lieut. U.S.N.

4 to 8 A.M.

Overcast, gentle breeze to light airs from N.N.E. to N.E. Executed morning orders, cleaned forward bilges, 3rd Division, began firing at Rifle target. Received on board 1111 lbs. beef and vegetables and 89 lbs. bread for use of Crew.

W. O. Wahrenberger
Ensign U.S.N.

8 A.M. to Meridian.

Overcast, cloudy and drizzly last two hours; light airs to gentle breezes from N.W. and East. At 9.30, mustered at quarters. The Spanish Gunboat Colon came in and anchored. Continued firing at target with small arms; fired 2nd boarders at Pistols. Sent boarding Officer to "The Colon", and boarding Officer from that vessel returned the visit.

Wm. Crozier
Ensign, U.S.N.

Meridian to 4 P.M.

Overcast, light airs to gentle breezes from S.E. to E.S.E. First boarders fired at target. Engineers Div, engaged in Rifle Practice. At 3.30 stopped distilling and banked fires

Jno. H. W. Johnson
Lieut., U.S.N.

4 to 8 P.M.

Overcast, cloudy, with drizzling rain; lightning to N.E. & W. Breezes from S by E. to S.E. At 6.00, sent down Topgallant Masts. Hoisted Steam Cutter.

Wm. Crozier
Ensign, U.S.N.

8 P.M. to Midnight

Overcast with rain the greater part of the watch Moderate to stiff breeze from E.S.E. Lightning to the N.E. & W.

Jno. H. W. Johnson
Lieut., U.S.N.

Examined and found to be correct.

G. W. Lamb
Lieut. Navigator.

LOG of the UNITED STATES *Steamer Essex*, *3rd* Rate,
Colonia, Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S E.	5 S.E.	4			29.84	71	71	69		oc.	Cum Nim	0	
2				"	"	1			29.82	71	70	68		ocly	"	0	
3				"	"	3			29-83	73	70	69		"	"	0	
4				"	"	3			29.82	73	70	68		"	"	0	
5				S.S.E.	"	4			29.82	72	70	68		bc	Cum nimb	1	
6				N.W. by N.	"	3			29.82	71	70	69		"	"	1	
7				N.W.	"	3			29.81	70	70	69		"	"	1	
8				NW by N.	"	3			29-82	70	70	68		"	"	1	
9				N.W.	S.S.E.	4			29.82	70	70	69		oc	"	1	
10				W.NW.	"	4			29.83	71	70	69		bcd.	"	1	
11				"	S.W.	4			29.83	70	70	68		"	"	2	
Noon.	Commenced steaming at 11.30.			W. by S.	South	4			29.82	70	70	68		"	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 370 gallons.

Water *Distilled* during the preceding 24 hours, 220 "

Water remaining on hand fit for use at Noon, 2906 "

Coal consumed during the preceding 24 hours, tons 2110 lbs.

Coal remaining on hand at Noon, 152 " 624 "

P. M.													
1		S.S.W.	S.S.E.	2	29.82	74	72	69	bc	cu cum	3		
2		S.S.E.	"	3	29.82	74	73	70	ocd.	nimb	0		
3		"	South	4	29.83	73	71	68	oc	"	0		
4		South	"	4	29.83	73	71	68	bc.	Cumnim	3		
5	Ebb Tide	S by W.	"	4	29.85	73	70	66	"	"	4		
6		S.W.	"	4	29-85	72	69	66	"	"	5		
7		W.S.W.	"	5	29-87	72	69	66	"	"	5		
8			"	5	29-88	74	68	66	bcl	"	7		
9		W by S.	"	5	29-91	74	69	65		"	8		
10		S.W.	S.S.W.	6	29-97	74	64	60	oc.	"	8		
11		S by E	S.S.E.	6	29-96	71	61	59	bc.	nim	2		
Mid.			"	4	29-93	70	64	61	"	cum	5		

under the command of Commander A. S. Snow, U. S. Navy,

Saturday November 14th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy with lightning, Moderate breeze from ~~S.E.~~ to Light airs from S.S.E.

~~A.P. Irwin~~
Lieut U.S.N

4 A.M. to 8 A.M.

Cloudy, gentle to moderate breezes from E.S.E. Executed morning orders, planted rifle target and began firing with Engineer's Division.

~~D. Nystrom~~
Ensign U.S.N.

8 A.M. to Meridian.

Cloudy, moderate breeze from S.S.E. to South. Engineer's Division and Marines engaged in rifle practice. The Commanding Officer adjudged the following punishments, viz: J.C. Robinson (S. Corp.) 14 hrs overtime, Reduced to 3rd Class 1½ months; R. Wentz (Pvt M.C.) Leaving his accoutrements about Berth-Deck, 6 hours, Extra Duty. H. Heidman (Sea), J.H. Spear (C.T.C.), H. Nygren (Sea), Scrubbing Hammocks without permission, 2 weeks Quarantine, 2d class. A.R. Brown, (Sea. 2cl.) 1 Disrespect to Officer of Deck. 2 Coming to Officer of Deck to get Things out of Lucky Bag, when he had been refused by the Executive Officer. 3 Wet shirt hanging about decks at night.— Reduced to 4th class, 2 months. J.J. Bresnahan (Jack of Dust), Not taking an interest in Gunnery, Reduced to 2nd class 1 month. G.V. Menier, (Ls) Not obeying orders of Capt. Top promptly, 3 night watches. Sweepdown from 9 to 5 for 3 days. R. Post, (Cl. App.) and P.M. Cannon (Sea), Disobeying orders of Officer of Deck — 5 mid-watches each. J.A. Callan (Sea), Not reading message. — 1 night watch. At 9 sent up Top gallant Masts & Yards.

Geo. Gibbons
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy with occasional drizzling rain. Light to moderate breezes from S.S.E. to South. Uruguayan Gunboat — General Artiguas, came in from up the River; Sent a boarding Officer to her. Started fires under three boilers. R. Sherlock (P.M.) Disobedience orders 5 days Confinement.

~~by order of Comdr of Officer~~
~~A.P. Irwin~~
Lieut. U.S.N.

4 P.M. to 8 P.M.

Clearing, moderate to stiff breeze from South. Heat lightning in the S.W. the last half hour. Bright moonlight after sunset. at 4.30, started fires under three boilers and made preparations for sea. Let 6 banked fires.

Geo. Gibbons
Lieut. U.S.N.

8 P.M. to Midnight.

Cloudy first part, clearing last hour; bright moonlight last half-hour; moderate ~~to very strong~~ breeze from S.S.W. to S.S.E. very heavy squalls from 9.30 to 10.30; rough harbor sea. Fires banked.

~~A.P. Irwin~~
Lieut, U.S.N.

Examined and found to be correct.

L.M. Nemitz
Lieut - Navigator.

LOG of the UNITED STATES *Steamer Essex*, *3rd* Rate,

Colonia Uruguay

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. S. E.	S S E.	3-4			29-93	70	62	59		bc.	circum	7	
2				S S E	"	4-6			29-93	70	61	59		"	"	6	
3				"	"	5			29-93	70	57	56		"	"	8	
4				" "	South	3			29-94	69	58	55		"	"	4	
5			Leaving	S.W. ½ W	S by W	5-6			29-98	64	58	56		"	Cum nim	1	
6			Harbor 51	South.	"	5-6			30-00	64	57	55		"		4	
7			11-1	S.S.W.	"	4-5			30-01	64	56	54		b.cm		4	
8			11-7	E. ¾ S.	South.	4-5			30-02	64	57	56		"	cir.cum	7	
9	9	3	21.0	"	"	4			30-03	62	58	56		"	"	7	
10	4 2	5 7	30.8	S.E. & S. S.E.	"	4			30-02	62	59	56		"	"	7	
11	8	4	39.2	S.E.	"	4			30-02	62	59	56		"	"	4	
Noon.	8	5	47 ¾	"	"	4			30-00	62	60	56		bc	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. *At 9.30 AM. sighted Chicita L. Ch.* ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by *Changed course at 10-10, S.E. ½ S. P.L. 32.* ° ' "
- Longitude by " " " 10.35 to S.E. P.L. 35.8 ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, ~378 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2528 "

Coal consumed during the preceding 24 hours, 4 tons 1320 lbs.

Coal remaining on hand at Noon, 147 " 1644 "

P. M.													
1		56	S. E.	South	4	30-02	70	61	56	bc	cucum	4	
2		64¼	"	"	4	29-99	67	61	56	"	"	4	
3		74¼	N.E. & E. ½ E.	S. S.E.	5	29-98	65	61	56	"	"	6	
4		84¾	"	"	5	29-98	69	62	57	"	"	6	
5		95 1/10	N.E. ⅞ E.	South.	5	29-96	68	62	57	"	"	6	
6		104¼	"	"	5	29-96	70	63	58	"	"	6	
7			South.	"	4	29-98	73	63	58	"	"	8	
8	At Anchor		"	"	3	29-99	73	62	57	"	"	9	
9			"	S. by W.	3	30-00	73	62	56	b	None	10	
10			"	"	3	29-99	73	62	56	"	"	10	
11			"	"	3	29-99	72	62	55	"	"	10	
Mid.			"	"	3	29-99	71	62	55	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday November 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 2nd until 4 A.M.

Fair and pleasant, gentle to fresh breeze from S.S.E. to E. Called All Hands at 3.30 and hove up Starboard anchor. Turned Engines over.

W. Ry Mason Jr. Asst.
Ensign U.S.N.

4 A.M. to 8 A.M.

Fair. Moderate to fresh breeze from S. by W. to South. At 4.30 thread fires and at 4.45 got underway and stood out of the harbor of Colonia, bound for Montevideo. Ships draft: forward 13 ft 11 in, mid ships 15 ft. 3 in. aft 16 ft. 7 in. At 5.21 took departure, Faralon Light N.W. by W 1/2 W. 2nd Colonia Light, N.E. 1/2 N, and set course, South. Put over patent log, set at 0. The boilers priming, water passed over into the high pressure cylinder and blew out part of the gasket of the water-valve. At 6.30, dropped the port anchor in 5 fathoms of water, hard muddy bottom, and veered 30 fathoms on the chain.

Hauled in pat. log, reading 11.1 Bearings from anchorage, Lava Pt. S.S.W. 3/8 W., distant 7 1/2 miles. Made repairs to water valve and at 7.50 got underway again, setting the course E 3/4 S and put over the patent log reading 11.1. Av. Steam 67. Revol. 43.

Gaig Lieut. Edwards
Lieut. U.S.N.

8 A.M. to Meridian

Partly cloudy pleasant [weather] Moderate breeze from South. misty along horizon. At 9.30 inspected at quarters. At 9.30 sighted Chico Lt. Ship. at 10.10 rounded Light Ship and changed course to S.E. 1/2 S, patent log reading 32. At 11.35 changed to S.E., pat. log 35.8. At end of watch, pat. log, 47.7. Av. steam 67 lbs. Rev. 56. Lost overboard 1-14 lb Lead.

[illegible]
Lieut. U.S.N.

Meridian to 4 P.M.

Fair and pleasant, Mod. breeze from S. to stiff breeze from S.S.E. Ship steaming down the river. Middle Course S.E. Passed Sands Pt. Ship at 1.35, and at 1.45 P.L. 6 1/2, Changed course to E. by N. (p.c.) Made plain sail to t.g. sails, except Spanker. At 2.45 Changed course to N.E. by E. 1/2 E. P.L. 7 1/2. At 12.45, hauled fires under one boiler, busily in supplying [illegible] in in half an hour. Steam rev. 41

W. Ry Mason Jr. Asst.
Ensign U.S.N.

4 P.M. to 8 P.M.

Fair and pleasant, Mod. breeze from S. by W. to South. At 4.00 changed course to E.S.E. for Montevideo: charge of ranged numbers with the U.S.S. Yorktown. At 4.45 fathoms on each chain, and following E. W. Hauled fires. Brazilian [illegible]

[illegible]
Lieut. U.S.N.

8 P.M. to Midnight.

Clear and fine, gentle breeze from S. by W. Transferred to U.S.S. Yorktown A. Stephenson, Thos. Richards, Mach. A total eclipse of the Moon occurred, lasting about two hours.

W. Ry Mason Jr. Asst.
Ensign U.S.N.

H. K. Lewis
Lieut. Navigator.

under the command of Commander A. S. Snow, U. S. Navy,
Sunday November 15th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 2nd until 4 A.M.

Fair and pleasant, gentle to fresh breeze from S.S.E. to E. Called All Hands at 3.30 and hove up Starboard anchor. Turned Engines over.

W. Ry Mason 2nd
Ensign U.S.N.

4 A.M. to 8 A.M.

Fair. Moderate to fresh breeze from S. by W. to South. At 4.30, spread fires and at 4.45 got underway and stood out of the harbor of Colonia, bound for Montevideo. Ships draft forward 13 ft 11 in, mid ships 15 ft. 3 in. aft 16 ft. 7 in. At 5.21 took departure, Faralon Light N.W. by W 1/2 W. and Colonia Light N.E. 1/2 N, and set course South. Put over patent log, set at 0. The boilers priming, water passed over into the high pressure cylinder and blew out part of the gasket of the water-valve. At 6.30, dropped the port anchor in 5 fathoms of water, hard muddy bottom, and veered 30 fathoms on the chain.

Hauled in pat. log, reading 11.1. Bearings from anchorage, Laza Pt. S. by W. 3/4 W., distant 7 1/2 miles. Made repairs to water valve and at 7.50 got underway again, setting the course E. 3/4 S. and put over the patent log, reading 11.1. Av. Steam 67. Revol. 43.

Geo. Leo Palmer
Lieut. U.S.N.

8 A.M. to Meridian

Partly cloudy pleasant weather. Moderate breeze from South. misty along horizon. At 9.30 inspected at quarters. At 9.30 sighted Chico Lt. Ship. at 10.10 rounded Light Ship and changed course to S.E. 1/2 S, patent log reading 32. At 11.35 changed to S.E., pat. log 35.8. At end of watch, pat. log, 47.7. Av. steam 67 lbs. Rev. 56. Lost overboard 1-14 lb Lead.

Lieut. U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Mod. breeze from S. to stiff breeze from S.S.E. Ship steaming down the river Plate. Course S.E. Passed Anglo Pt. Ship at 1.35, and at 1.45 P.L. 6 1/2. Changed course to E. by N. (p.c.) Made plain sail to t.g. sails, except Spanker. At 2.45 Changed course to N.E. by E. 1/2 E. P.L. 7 1/2. At 12.45, hauled fires under one boiler, owing to failure of pump to work properly in supplying water to it. The boiler was in use again in half an hour. Steaming with three boilers. Av. steam, 62. Av. rev. 41.

W. Ry Mason 2nd
Ensign U.S.N.

4 P.M. to 8 P.M.

Fair and pleasant weather. Stiff to gentle breeze from South. At 4.0 changed course to N.E. by E. pat. log 102; and stood in for Montevideo: charge of Navigator; at 5.10, shortened and furled sail. At 6 exchanged numbers with U.S.S. Scorpion and obtained permission to anchor. At 6.23 moored with 45 fathoms on each chain in following bearings, Buoy Lt. E.S.E. 1/4 E. Arco N.W. by W. 1/2 W. Pt. Piedras, N. 1/4 W. Hauled fires. Brazilian Corvette left the inner harbor and anchored.

Lieut. U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
Montevideo Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW.	SSW.	3			29-96	69	62			b.	none.	10	
2				"	"	3			29-95	68	62			"	"	10	
3				WSW.	"	3			29-94	68	62			"	"	10	
4				"	SW.	3			29-94	68	62			"	"	10	
5				SW by W.	"	3			29-94	68	62			"	"	10	
6				SW by S	"	3			29-96	67	63			"	"	10	
7				S by W.	"	3			29-96	68	63			"	"	10	
8				South	"	2			29-97	67	64			"	"	10	
9				SSW.	"	2			30-00	68	67			bc.	cscum	9	
10				SSE.	"	2			30-02	68	69			"	"	9	
11				SW by S.	West	2			30-00	70	69			"	"	9	
Noon.				WSW.	"	2			30-00	71	68			"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 532 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1996 "

Coal consumed during the preceding 24 hours, 4 tons 1605 lbs.

Coal remaining on hand at Noon, 142 " 2179 "

P. M.														
1	W by N.	West	3	29-99	72	70	64		bc.	cir. cum	9			
2	"	"	3	29-99	72	70	65		"	"	9			
3	WNW.	"	3	29-98	72	71	65		"	"	9			
4	"	WNW	3	29-98	72	71	65		"	"	9			
5	W by N.	W by N.	3	29-97	73	73	66		"	"	8			
6	WNW	WNW.	3	29-96	73	73	66		"	"	8			
7	"	"	3	29-97	75	72	65		"	"	8			
8	South	"	2	29-96	76	71	65		"	"	9			
9	"	"	1	29-97	78	71	65		b.	none	10			
10	ESE.	NNW.	2	29-97	74	70	65		"	"	10			
11	E by N	"	2	29-98	70	68	63		"	"	10			
Mid.	NNW	"	2	29-98	72	68	62		"	"	10			

under the command of Commander A. S. Snow, U. S. Navy,

Monday November 16th, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, full moon - barometer steady. gentle breze from S.S.W. Clear hawse.

J. T. Newton
Lieut. U.S.N.

4 to 8 A.M.

Clear and pleasant, Bright moonlight first part; gentle to light breezes from S.W. At 5.10, U.S.S. Yorktown, got underway and stood out of the harbor To the Ed. At 5.20, Brazilian corvette Paranhyba left the harbor To the Ed.

F. H. Newell
Lieut U.S.N.

8 to Meridian.

Clear & fine, light breze from S.W. by W. Mustered at Quarters
W. Ray Mason Fuld.
Ensign U.S.N.

Meridian to 4 P.M.

Bright and pleasant - barometer steady - gentle breze from W and W.N.W. Rove off new fore braces and fore topgallant bunt whip.

J. T. Newton
Lieut. U.S.N.

4 P.M to 8 P.M.

Clear and fine, light to gentle breze from W by N to W.N.W.

W. Ray Mason Fuld.
Ensign U.S.N.

8 P.M to Midnight.

Clear and pleasant, bright full moon, light breze from N.N.W.

HMS Cleopatra anchored at 8.55.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

C. K. Lunt
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Montevideo Uruguay.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.W.	N.N.W.	3			29-96	71	64	61		b.	none	10	
2				"	"	3			29-98	71	64	60		"	"	10	
3				"	"	3			29-98	70	64	60		"	"	10	
4					N.W.	3			29-98	69	64	59		bc	cirsth.	8	
5					"	3			29-98	68	63	58		"	"	8	
6				N.W by N.	"	3			30-00	65	63	58		"	"	8	
7				N.W. by W.	"	4			30-01	67	66	61		"	"	8	
8				W. by N.	"	4			30-02	70	68	62		"	"	8	
9				West	W.N.W.	4			30-03	71	71	64		"	"	9	
10				"	West	4			30-03	73	71	65		"	"	9	
11				"	"	4			30-03	74	71	65		"	"	8	
Noon.				"	"	4			30-04	75	72	66		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 362 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1634 "

Coal consumed during the preceding 24 hours, tons 1350 lbs.

Coal remaining on hand at Noon, 142 " 829 "

P. M.												
1	W.N.W.	West	4	30-03	75	73	66	bc	cirsh.	7	
2	"	"	3	30-02	74	72	68	"		7	
3	N.W. by W.	"	3	30-02	73	73	68	"		6	
4	N.W.	"	2	30-0	73	73	69	"		6	
5	West	S.W.	2	30-00	75	74	69	"		6	
6	W.N.W.	"	1	30-00	75	72	68	"		8	
7	S.W.	Calm	0	30-00	76	73	70	"		8	
8	S.S.E	South.	1	30-01	77	73	69	"		9	
9	S.E.	E.N.E	3	30-01	77	68	66	"		6	
10	E.S.E	N.E.	3	30-01	76	67	65	"		3	
11	"	N.N.E.	2	30-02	75	67	65	bl		2	
Mid.	N.E. by E.	North	2	30-02	75	67	65	bl		0	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, November 17, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M.
Clear. Gentle breeze from N.N.W. to N.W.

W.O. Hulme
Ensign, U.S.N.

4 AM to 8 AM.
Clear and fine gentle to mod. breeze from N.W. Scrubbed paint work underneath forecastle, taking everything down

W. Ry Mason Fleh.
Ensign, U.S.N.

8 AM to Meridian.
Bright and pleasant - barometer steady - mod. breeze from N.N.W. and W. At 9.30. Muster at Quarters. Fire quarters immediately after - 1st stream, 1.33; second stream, 2 m. 15 sec: third stream, 2 min., 07 sec.

J.T. Newton
Lieut, U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Moderate to light breeze from the West, at 1.15 party of officers, left ship to assist at funeral of an officer of H.M.S Cleopatra.

W.O. Hulme
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant. - barometer steady - light breeze from W. and calm - Chilian Gunboat, Pilcomayo, left the harbor.

J.T. Newton
Lieut U.S.N.

8 P.M. to Midnight
Cloudy, Gentle to light breeze from E.N.E. to N.N.E.

W.O. Hulme
Ensign U.S.N.

Examined and found to be correct.

Approved
A. S. Snow
Comdr U.S.N.
Comdg

G. K. Lumsden
Lieut, Navigator.